

# 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

### Recording Secretary

David Poinsett W8APT

### Corresponding Secretary

Joe Schnaidt, KC8RLU

### Treasurer

Ward Kuhn, N8WK

### Directors

Mike Cleary, W8VPC

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

NO CLUB MEETING in JUNE - Instead attend:

**ARRL FIELD DAY 2018 with the Cherryland Amateur Radio Club!**

**FREE FOOD ALL WEEKEND**

We are fortunate again to be able to use the Kiessel Orchard for Field Day this year! The site is halfway between Traverse City and Suttons Bay. Just turn left onto Fort Road, and drive toward the west. As you ascend, you will eventually reach the Kiessel Farm entrance.

Follow the signs to the site! You'll have a fun drive through the orchard.

Register for Meals and get Full Directions at the club website, [WWW.CherrylandARC.com](http://WWW.CherrylandARC.com)

## 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.

# ARRL FIELD DAY 2018



## Grid Chase!

[www.arrl.org](http://www.arrl.org)

#ARRLFD

#IGC

## All Hands On Deck for Field Day!

It's almost the third weekend in June! That means it's almost time for ARRL Field Day! Each year the Cherryland ARC organizes a really great, high quality event. You won't want to miss it!



To start with, the club will be providing FREE FOOD all weekend. All you need to do is [visit this website](#) to let us know you're coming. If you have trouble with the [Google Form](#), you can also [send us an email](#). Chef Glen K8SGZ will be cooking up some delightful cuisine for everyone!



## On The Menu:

### *Friday Night – Dinner:*

There is an extra-special dinner on Friday Night which is an extra \$15 to cover the ingredients. Glen will be making New York Strip steak, grilled to order! There will be Corn and grilled Asparagus. Also, there will be a wine tasting, so be sure to bring your favorite wine glass and a bottle of wine to pass for tasting.

### **Meals Saturday and Sunday are FREE:**

#### *Saturday – Breakfast:*

Scrambled Eggs or Omelette (made to order), Bacon, Sausage, Fruit, Coffee.

#### *Saturday – Lunch:*

Hamburgers and Hot Dogs with toppings (your choice of cheese, grilled onions, chili sauce, etc.), cole slaw, chips and pickles.

#### *Saturday – Dinner:*

BBQ Ribs, baked beans, garlic toast. Also Chef Glen will make something unique for dessert!

#### *Sunday – Breakfast:*

Scrambled Eggs or Omelette (made to order), Bacon, Sausage, Fruit, Coffee.

#### *Sunday – Lunch:*

Hopefully any leftover ribs, Hamburgers, and hot dogs!





You won't want to miss the food! Make sure you head over to the club website and [use the form to sign up](#) for meals. Please complete [one form for each person](#) so that we know how much food to buy!



### **Camping**

Some people choose to “camp” overnight at the site on Friday and Saturday night. This is encouraged, and most who participate have a great time! Plan ahead, though - bring plenty of water, some bug spray, suntan lotion, a good hat, and any outdoor shelter you'd benefit from - such as a tent, possibly a table, chair, and pop-up cover. There will be a porta-john, a main dining-area tent, and tables and chairs to accommodate people.



### **Putting it all together**

If you've never seen a Cherryland ARC Field Day up close and in real time, you can always check out the video from our [Field Day in 2016](#) over on YouTube.. The video focuses on the elements that our club stresses each year - Food, Fellowship, Fun, Outreach, Innovation, and of course Amateur Radio!

The plan for 2018 is to operate using the club callsign W8TCM as “3A” - This means we will have three primary, constant stations running at all times (or as much as possible), and are in a “club” class for scoring and logging purposes.. The 3 primary stations will be:



- 1) All-Band CW - Hope AA8SN will be leading the efforts here, with much help from Ernie K8RCT, Mark KD8EDC and others. The CW station will operate on all bands using a multi-band wire antenna. They've used a G5RV and other dipoles in the past with great success.
- 2) 40M Phone - Joe KC8RLU will be coordinating this station. In the past, 5 switchable, directional dipoles suspended on a tower have been used, and this has worked tremendously well.
- 3) 20M Phone - Ward N8WK will be coordinating this station. Plans are to have a Yagi/Beam on the top of a tower for 20M.



In addition to our primary stations, the club will also be operating:

- VHF/Solar - Joe W8TVT will be coordinating a special “bonus” station for VHF and UHF work that is completely solar-powered.
- GOTA (Get On The Air) - Laura WZ8C will be coordinating our “GOTA” station which, while in operation, will be open for “anyone” to sit down

and try their hand at making contacts. This bonus station will use the callsign WZ8C and maintain a separate log, but all contacts made benefit the overall score. Anyone who would like to try out ham radio is welcome to sit down at the key/mic and try it out!

Beginning on July 18, local radio and television will be promoting the Cherryland ARC field day, so don't be surprised to hear about it on your local news!

### The Schedule

- 1) Tuesday Night, June 19, 7pm. - In lieu of project night (we will NOT be meeting at the club room this week) we will be meeting out at Don WD8NRZ's farm. The address is 4786 E Hoxie Rd, Cedar MI. We will pick up the club's trailer, generators, necessary antennas, kits, feedline, tower sections, and other necessities. We will deliver these to the Field Day site at 10477 E Fort Rd, Suttons Bay, MI 49682.
- 2) Friday, June 22nd at 2:00 PM. - Major antenna and tower erection activities. This is when we start the heavy lifting for setting up the Field Day site. We really need your assistance!
- 3) Saturday morning, June 23rd. - Finish setting up Field Day, install radios and get all the equipment operational. Saturday afternoon, June 23rd – 2pm. Field Day begins with all stations operating. Come on out and operate or help log contacts. Everyone gets a chance to get on the air! We have a special "Get On The Air" station and coach for all our new hams.
- 4) Sunday, June 26th. - Operations continue until 2:00 PM when Field Day officially ends. Then the task of taking down the antennas and packing up the equipment begins. All hands on deck for taking down equipment and cleaning up the site.

### See you in the field!



We really hope to see you all participate in some way this year for Field Day. It's open to everyone, even if you just pop-out to visit for a little while. The "peak" of the event is usually on Saturday between 3pm and 6pm, but it is a 24-hour event. This means if you want, you can show up at 3am Sunday with a thermos of coffee and we'll put you to work on 40M phone or looking for satellites.... Just be sure to get there before 2pm on Sunday, or you'll miss your chance to get on the air!





## Emergency Communications is Radio-Active!

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The Traverse Bay Area Emergency Radio Group (TBARG for short) has been super-busy this year!

### District 7 exercise on April 18

On April 18th, there was a District 7 exercise which heavily involved communications to, from, and within the Munson Healthcare system. The exercise included many interesting challenges throughout its schedule, including the simulated loss (shutdown) of all internet and telephone service. During this period of time, TBARG was able to sustain communications from Munson Medical Center to the EOC and several other entities using both voice and digital communications.

*“Sending ICS-213 forms using FLMSG/FLDigi received a lot of comments, “looks like email without the Internet”, “cool” and “keep up the good work”. I found it interesting that the Android tablets (Amazon Fire Tablet) with no cables tended to have the greatest success sending messages in comparison to laptops with wired interfaces.*

*I especially liked the ease of printing the 213 forms with a few clicks of the mouse. I will have more feedback from Munson and other players in formal debriefing in the future. We are constantly looking to improve. My special thanks to Munson Healthcare for their encouragement and support of our services.*

*I look forward to working with the Charlevoix, Cheboygan, and Emmet hams who have elected to get credentials for working with Munson Emergency Communications. Overall, we continue to improve our skills and develop better relationships with emergency communication users in District 7. It is my belief that the best is yet to come. Again, my sincere thanks.”*

*Glen Johnson – K8SGZ*

*TBARG/Munson Emergency Communications*

The feedback during the exercise was very positive, and Munson representatives relayed their sincere thanks and appreciation to all involved.

### Statewide EOC exercise on April 28th

This was an interesting exercise, indeed. Multiple Ham Radio emergency communication groups from around the state worked for several hours during the Simulated Exercise. Mike Dell K8LMJ coordinated efforts to activate two locations in the Grand Traverse area who checked into the net and successfully passed traffic.

Working with the Mi5 group downstate, the local N8OUZ 442.2875+ repeater (operating the DMR digital mode) was temporarily moved from the TriStateDMR/DMRPlus network to Mi5 for the duration of the event.

We were able to communicate successfully to the SEOC (State EOC) using DMR, D-Star on the WI0OK repeater in Empire. We also used the K8WQK analog FM repeater for Nelson W8NWO, who was stationed in East Jordan and did not have a good Digital or HF path to the SEOC network. This proved that often, the KISS principle is the best, and works when other methods fail.

Mike reported that our efforts were successful, and that overall we had 7 counties represented from Region 7 during the exercise.

### Upcoming Events!

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There is **NO PROJECT NIGHT** on Tuesday June 19th. Instead, we will be preparing for Field Day.

#### **Field Day is June 22-24!**

There is **NO GENERAL MEETING** on Tuesday June 26th due to Field Day Weekend June 22-24!

#### **The Club Picnic is July 24th!**

There is **NO GENERAL MEETING** on Tuesday July 24th due to the July 22nd Picnic!

#### **The Club Foxhunt is Saturday August 25th!**

There is **NO GENERAL MEETING** on Tuesday August 28th due to the FoxHunt and Picnic on August 25th!

#### **The Next CARC General Meeting is Tuesday September 25th!**

For more details, check out the CARC Calendar:

[http://cherrylandarc.com/?page\\_id=26](http://cherrylandarc.com/?page_id=26)

**CARC Board Meeting Minutes**

Catching you up! Minutes through November 2017 have been published in previous issues.

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**Minutes for Cherryland Amateur Radio Club Board Meeting: 12/12/2017**

Present: Joe N8CN, Neil KE8IGC, Dave KJ4KFJ, Mike W8VPC, Dave K8WPE, Rick W8RRL, Joe KC8RLU, Glen K8SGZ, Ward N8WK, Dave W8APT, Ernie K8RCT, Joe W8TVT, Tom KE8CVM, Brad W8QPO

1. Review minutes (Dave W8APT) Ward N8WK moves to approve minutes as submitted, Dave KJ4KFJ seconds, motion carries
2. Treasurer report (Ward N8WK)  
Ward N8WK distributed an updated financial statement Jan 1, 2017 through Dec 12, 2017. Income \$8,078.00. Expenses \$4,307.29. Cash on Hand: \$5,866.48. Wards suggests adding club dues reminder to upcoming Cherry Juice.
3. TBARG report (Glen K8SGZ)  
TBARG members need to update credentials. 911 exercise coming up. Need to develop a digital messaging strategy. Glen wants to do an exercise in January. Glen will offer free re-programming of mobile radios to new channel assignments at swap in February.
4. Interlochen station (Brad W8QPO and Ernie K8RCT)  
Interlochen Radio engineer Gary Langley contacted Joe N8CN asking for information on our agreement to operate a repeater on their tower. Gary has been informed that the agreement is between Chuck W8SGR and Interlochen Radio.
5. Nominations and slate for elected positions  
All club officers will run again for the same positions. Dave KJ4KFJ's term as at-large board member expires. He says he will run again. Brad W8QPO will ask Chuck W8SGR if he wants to step down due to his extended absence. If he does, Glen K8SGZ will run.
6. TBI contest report (Joe KC8RLU)  
No contest reports at this time.
7. Project night antenna report (Brad W8QPO)  
Brad W8QPO reports 16 people on first night, 12 on second night, other inquires via email. Keep it going until no one wants it. Next project is Ed Fong antenna. Tie in with Ed Fong Skype on program night. Glen K8SGZ suggests digital/audio interface project \$10, plus some soldering. Joe KC8RLU suggests pine board AM transmitter. Dave W8APT suggests an FT8 demo.
8. Swap prep - budget for ordering door prizes, etc  
Joe made a flyer, will print 200 copies to mail.  
Ernie will inquire about bulk mailing service.  
ARRL has donated \$150 gift certificate for door prize.  
Other prize ideas: soldering station, PL-259 crimper, Power Pole crimper, Yaesu FT 170DR DMR radio, Baofeng radio, mini blow torch, VHF mobile antenna, raffle.  
\$220 total spent last year on prizes. After discussion, decision to have more smaller items rather than a few bigger ones.  
Ward N8WK moves to authorize up to \$225 for prizes, Ernie K8RCT seconds. Motion approved.  
Joe W8TVT has made arrangements with Immaculate Conception Church for the February Swap setup on Friday at 7:00 pm. The club will be out by Sunday at 1:00 pm.
9. Salvation Army Donation  
Ward N8WK moved to give \$300 to Salvation Army, Dave W8APT seconds. Motion carries. (This is a follow-up on informal email poll to board members on November 13, 2017.) The check has been delivered.
10. January program - Ed Fong Skype
11. Classes?  
April CERT training also includes "Technician license in a day." Normally this is an 11 module program. Dave W8APT suggests a monthly demo of amateur radio. N8CN suggests it could be done at Greilick GOREC. Ask in newsletter if people are interested in a class. Joe N8CN and Joe KC8RLU will brainstorm demos and outreach. Dave W8APT suggests a 1/2-day NMC Ext Ed demo class. Joe N8CN will send survey to members.
12. Miscellaneous items  
Ernie K8RCT moves to up to \$50 on to replace club solder station. Joe N8CN seconds. Motion carries. Glen will delay purchasing Field Day tent to ensure that a return is possible if necessary.
13. Adjourn  
Ernie K8RCT moves to adjourn. Joe N8CN seconds. Motion carries.  
Meeting adjourned.

Minutes for Cherryland Amateur Radio Club Board Meeting: 1/2018

Present: Joe N8CN, Joe W8TVT, Dave W8APT, Ward N8WK,  
Ernie K8RCT, Dave K8WPE, Mike W8VPC, Dave KJ4KFJ

1. Review Minutes from last month – Dave W8APT Ward moves to approve minutes with amendment to add callsign of Rick W8RRL as present, Ernie seconds. Approved.
2. Treasurer Report – Ward N8WK Not much different from previous meeting. Looking to receive additional membership dues at upcoming Swap meet.
3. Ernie moves to spend \$50 each for thank you gift certificates for Don Parker and Don Kiessel. Ward seconds. Approved
4. Upgrade DR-1X (442.500) to DR-2X?
5. Upgrade DR-1X (146.860) to DR-2X? Ward moves to approve up to \$800 plus taxes and shipping for upgrade to both repeaters. Ernie seconds. Approved.
6. Announcements / Meetings / Events
  - a. Jan 23 – General Meeting
    - i. Program: Elections, Ed Fong via Skype  
Joe N8CN moves to approve board election slate with people in existing positions:  
Joe N8CN, Ernie, Dave W8APT, Joe KC8RLU, Dave KJ4KFJ. Ernie seconds. Approved.
  - b. Swap – Feb 10, 2018.  
Joe W8TVT mailed 120 flyers to members from club mailing list. Most recent swap meet ticket stubs with contact info not available. Weavers have agreed to provide coffee and donuts like last year. Joe W8TVT will confirm time of facility availability for setup on Friday.
7. Committees
  - a. Joe KC8RLU – #GOREC equipment recommendations Joe absent. Tabled.
    - i. Work with W8VPC to provide “wish list” of needed things.
  - b. Joe N8CN – Repeater Updates
    - i. DR-2X program
      1. Deadline for reduced pricing was 12/31.
      2. Joe N8CN sent in an application for each of our repeaters.
      3. If approved, we can upgrade. If not approved, it is not a binding contract and we can just let them know we’ve decided to cancel.
      4. Cost of upgrade is flat (\$500 for DR-2X with LAN, \$300 without LAN). Selected one of each since only 1 IP link is available currently.
      5. Club will need to also pay to ship back DR-1X as required with program, as an RMA is set up.
      6. Not sure if they need a unit back before shipping the DR-2X out or not. Details still coming in.
    - ii. Contoller basically ready, but DR-2X?
    - iii. 442.8 back on the air, 224.720 back on the air.
8. MESH NET  
Mike W8VPC will run the MESH net.
9. Dave KJ4KFJ moves to have Ernie purchase low-cost prizes up to \$225 as approved at previous meeting. Ward seconds. Approved.
8. Adjourn Dave KJ4KFJ moves to adjourn. Ward seconds. Approved.

Meeting Adjourned

Minutes for Cherryland Amateur Radio Club Board Meeting: 2/2018

Present: Dave W8APT, Ward N8WK, Ernie K8RCT, Dave K8WPE, Mike W8VPC,  
Dave KJ4KFJ, Joe N8CN, Joe W8TVT, Neil KE8IGC, Glen K8SGZ

1. Review minutes – No quorum. Tabled
2. Treasurer Report – Ward N8WK Absent. No report.
3. Sandy Ruppert has passed away (1/23)
4. Repeater Upgrades
  - a. DR-2X Repeater are in. Motion passed in Jan to spend \$800 (500+300) on the repeaters. One has network link (500) and one does not (300). N8CN has a personal one with network. If it is beneficial to the club, could swap his for the clubs for an extra 200 and both CARC repeaters would have DR-2X with link. This is an option moving forward.
5. Announcements / Meetings / Events
  - a. Swap – Feb 10, 2018.
    - i. Anything to discuss? Joe W8TVT has keys to get things set up at 6:30 Friday. Table sales good! 35 currently. Will donate tables to IRA Repeater and TBARG. Weavers will run concessions. ARRL gift certificates 2 x \$50 and 2 x \$25 will be available for door prizes. Sound system will be provided by Immaculate Church. Ernie will remind Elks Club about pre-Swap dinner on Friday night. Handouts about club.
    - ii. N8CN has conflict and will not make it this year.
  - b. Feb 27 – General Meeting
    - i. Programs:
 

February ZUM-spots Glen K8SGZ  
March Snooping out RFI problems Dave W8APT

April FT8 John N8UL

May Satellite

June, July, August no program (Picnic, Field Day, Foxhunt)

Sept Homebrew Jeff Peters K9JP

Oct Dayton from Ken Musson

Nov SDR

#### 6. Committees

- a. Joe KC8RLU - #GOREC equipment recommendations
  - i. Work with W8VPC to provide "wish list" of needed things. **No report.**
    - 1. Joe N8CN - Repeater Updates
      - i. DR-2X interface is built ready to start testing!
      - ii. DR-2X much easier to interface with controller
      - iii. More capable with controller and other options.

#### 7. MESH NET - **No report**

#### 8. Door Prizes -

- a. Ernie analyzed results of polling. Other ideas mentioned were DMR radios or Baofeng radios.

Top items: power analyzer, 2m mag mount, PwePole cromper, solder station, coax assy tool

- b. HT donation for a door prize from Ted Slater N6QXA

#### 9. Neil inquired about group buy on Ed Fong antennas. N8CN will organize.

- b. Adjourn

### Minutes for Cherryland Amateur Radio Club Board Meeting: 3/6/2018

Present: Joe N8CN, Dave K8WPE, Neil KE8IGC, Joe KC8RLU, Mark KC8ZAP, Ward N8WK, Ernie K8RCT, Dave W8APT, Joe W8TVT, Dave KJ4KFJ, Mike W8VPC (Skype)

1. Minutes from 1/2/2018 and 2/6/2018 Ward N8WK moves to approve. Ernie K8RCT seconds. Approved.
2. Treasurer Report - Ward N8WK reports \$1500 intake mostly from swap, \$250 spent for prizes, \$550 hall rental, \$94 intake from Lisa Weaver at swap.
3. TBARG Report - Ernie K8RCT reports Munson drill coming up. Munson staff briefing March 12. Munson ham briefing/meeting March 14. April 18 exercise.
4. MESH / SMASH Net Report - Mike W8VPC reports Net is doing well. Attendance low. 8 people last week. Got a late start on Monday. VPC has been using Echo Link to run the net. Monitors the RF signal while using EchoLink.
5. Committees
  - a. Joe KC8RLU - #GOREC equipment recommendations
    - i. Work with W8VPC to provide "wish list" of needed things. - **tabled until April**
  - b. Joe N8CN - Repeater Updates
    - i. DR-2X interface is being tested.
    - ii. DR-2X much easier to interface with controller
    - iii. More capable with controller and other options.
    - iv. Allstar Node (with Echolink) is almost ready.
    - v. Motion passed in Jan to spend \$800 (500+300) on the repeaters. One has network link (500) and one does not (300). N8CN has a personal one (with network). If it is beneficial to the club, could swap his for the clubs for an extra 200 and both CARC repeaters would have DR-2X with link. This is an option moving forward. **Ward N8WK moves to reimburse Joe N8CN \$200 for additional network card. Joe KC8RLU seconds. Approved.** Both repeaters now have full RF remote control.
    - vi. Spoke about perhaps linking (or capability to link) to 04 in Benzie. Could do it with the repeaters' 2<sup>nd</sup> receivers. Would need to be coordinated, and would need to find a way to do it dynamically.
6. Sky Warn April 17. Will do this instead of project night.
7. Ed Risk estate - Send to list
8. Interlochen situation - Gather info on repeater agreement. Joe to get paperwork from Brad.
9. Donated gear will be sold on eBay unless local buyers found.
10. Dave W8APT discusses club tower. Base may not be in concrete. Bracket may not be secure. Proposes an annual inspection by qualified party.
  - a. Ward N8WK to verify liability coverage
  - b. Norther Tower did an informal walk-around inspection last fall and said it looked OK.
  - c. Grounding is needed. Perhaps a better bracket can be installed.
  - d. Table discussion until May when we can inspect.
11. Announcements / Meetings / Events
  - a. March 27 - General Meeting
    - i. Programs
      - 3/27 Dave W8APT - RF in the Shack
      - 4/24 FT8 Demonstration (Jon KC9ON?)
      - 5/22 Satellites (Norm?)
      - 6/26 Field Day
      - 7/24 Picnic
      - 8/28 Foxhunt
      - 9/25 Homebrew (Jeff K9JP?)
      - 10/23 Dayton Report (Musson et al)



11/27 Software Defined Radio (Dave W8APT)

b. Ward N8WK to contact Immaculate Conception regarding 2019 swap meet

11. SPOTA activity?!

a. Glen K8SGZ and Joe KC8RLU to propose an idea!

12. Member antenna orders for Ed Fong gear is complete.

a. Order to be placed on 3/7.

13. Adjourn Ernie K8RCT moves, Ward N8WK seconds.

**Meeting Adjourned.**

### Minutes for Cherryland Amateur Radio Club Board Meeting: 4/2018

Present: Joe N8CN, Ernie K8RCT, Ward N8WK, Dave W8APT, Joe W8TVT, Dave KJ4KFJ, Dave K8WPE, Glen K8SGZ, Mike W8VPC (conference call), Joe KC8RLU

1. Review Minutes - Ward N8WK moves to approve. Ernie K8RCT seconds. Add call corrections.

**Approved.**

2. Treasurer Report - Ward N8WK - Financial report - About \$8100 in bank. Statement coming.

3. TBARG Report - Glen K8SGZ

a. Munson Drill- April 18<sup>th</sup> drill. Use the 86 repeater for drill. About 20-30 minutes.

Mike W8VPC will be Net Control. Meeting April 7 at Glen's office to test FLDIGI for emergency traffic.

b. Dave KJ4KFJ notes that the SET is coming up (during camp grayling).

4. MESH / SMASH Net Report - Mike W8VPC reports not much activity until last night. Runs Net via Echolink. Would like more board members to check in.

5. Committees

c. Joe KC8RLU - #GOREC equipment recommendations

i. Work with W8VPC to provide "wish list" of needed things. - Will wait until nice weather to get into facility.

f. Joe N8CN - Repeater Updates

i. Allstar Node (with Echolink) is almost ready.

6. Skywarn - April 17<sup>th</sup> (6:00pm) - Will do this instead of a Project Night. Joe to send email.

7. MiQP

a. CARC Sponsored Award

b. CARC event - Joe KC8RLU

c. Ward N8WK moves to sponsor MI QSO Party \$70 award, Ernie K8RCT seconds. **Approved.**

d. Michigan QSO Party at Salvation Army station. Ernie K8RCT moves to spend up to \$50 on pizza and soft drinks. Joe KC8RLU seconds. **Approved.**

e. Suggestion to activate GOREC for MiQSO Party. Will stay at Salvation Army.

8. SATC tower. Proposal that we have an annual inspection done on the tower structure.

a. Ward to verify liability coverage for SATC location.

b. Northern Tower did a walk-around (informal) inspection and said it looked OK.

c. We know we need to do grounding, possibly better bracket.

d. Tabled until May when we can do a project night dig-down and manual inspection.

9. Announcements / Meetings / Events

a. Dave KJ4KFJ says group in Gaylord looking for input for starting a swap.

b. April 24 - General Meeting

i. Salvation Army - Ruth Blick

c. Upcoming Programs:

• 4/24: FT8 Demo - (Joe contacting KC9ON), Salvation Army Presentation

• 5/22: Satellite? (Norm?)

• 6/26: (( Field Day ))

• 7/24: (( Picnic ))

• 8/28: (( Foxhunt ))

• 9/25: K9JP Homebrew? - emailed 4/3

• 10/23: Dayton Report (Musson et al)

• 11/27: SDR (W8APT)

• 12/25: Christmas Party

d. Ward to contact IC regarding next year's swap.

10. SPOTA activity?!

a. Glen and Joe to propose an idea! -> May?

b. Proposal to set up a station on beach at TC State Park on summer weekend.

11. Funds collected for Ed Fong equipment purchase collected did not shipping. Donor covered the remaining \$12 amount. Proposal that club not handle purchases in future.

12. Adjourn Ernie K8RCT moves to adjourn. Ward N8WK seconds.

**Meeting Adjourned.**



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](mailto: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 July 2018 issue of The Cherry Juice! As always, if you have any suggestions or comments, I'm all ears! — [joe@n8cn.org](mailto:joe@n8cn.org)

73, Joe N8CN

**CARC Membership Application form**

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ Nickname: \_\_\_\_\_  
 Callsign (if any): \_\_\_\_\_ Class (if any): \_\_\_\_\_  
 Street: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_  
 ZIP: \_\_\_\_\_

Email (we promise not to spam): \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Occupation: \_\_\_\_\_ Spouse: \_\_\_\_\_

ARRL Member? (Y/N): \_\_\_\_\_

Annual dues are \$24.00

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

Ward Kuhn N8WK  
 PO Box 987  
 Traverse City, MI 49685

<SK>