



THE CHERRY JUICE

Newsletter of the
CHERRYLAND AMATEUR RADIO CLUB - TRAVERSE CITY, MICHIGAN



ARRL Affiliated
Club #1082



Club Officers

President
Joe Schnaidt KC8RLU

Vice President
Glen Johnson K8SGZ

Recording Secretary
David Poinsett NU8A

Corresponding Secretary
Ernie Abel K8RCT

Treasurer
Ward Kuhn N8WK

Directors
Dave Hanchett KJ4KFJ
Chuck Mellberg W8SGR
Mike Cleary W8VPC

Station Manager
Joe Schnaidt KC8RLU

Cherry Juice Editor
Joe Erlewein N8CN

Club Repeaters

W8TCM/R 146.86- (PL 114.8)
Yaesu SystemFusion Capable
W8ZTB Memorial Repeater

W8TCM/R 442.50- (PL 114.8)
YSF Wires-X link WM-CONNECT
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

Stay Informed! Check out the
club website:
www.CherrylandARC.com

Club Meeting – April 23rd, 7pm

Program: COUNTY HUNTING with Ed K8ZZ and Jerry W0GXQ

Ed K8ZZ and Jerry W0GXQ will be presenting **County Hunting** at the April meeting.

Ed formerly lived in Traverse City but now has a QTH in Shawnee County, KS. He worked stations in all of the counties in 2006 and has since worked them all *three additional times*. He is currently the President for the Mobile Amateur Radio Awards Club.

Jerry W0GXQ comes from Jefferson Co., CO. He first worked all of the counties in 2000. He has since worked a station in all of the counties *seven additional times*.

They will be talking about how to make contacts with other counties both on SSB and CW. They will be giving suggestions on mobile installations.

They will be in town for the **12th annual Michigan county hunters conference** to be held at the **West Bay Beach Hotel on April 25-27**. You might want to drive through the parking lot to look at all the *mobile installations* and *antenna designs*. You would be welcome to stop in to say "hello". Just ask for the reception room for the **MARAC-County Hunters**.

Calendar of Upcoming Events

- ✦ 4/20/2019 - Michigan QSO Party!
- ✦ 4/22/2019 - MESH NET
- ✦ 4/23/2019 - CARC Meeting - Program by Ed K8ZZ and Jerry W0GXQ on "County Hunting".
- ✦ 6/21/2019 - ARRL Field Day (thru 23rd)
- ✦ 6/24-30/2019 - *** TADL ARISS CONTACT WINDOW ***

Didn't get 'the schedule of events' at the last meeting? Forgot to take notes?

Just plain confused about what is happening when?

NEVER FEAR! there's an online calendar!

You can even set it up on your iPhone, iPad, Android, or Tablet!

See the full calendar of events at:

http://cherrylandarc.com/?page_id=26

Be "IN THE KNOW":

If your phone, tablet or computer supports Google Calendar (most iPhones and Androids, and even Blackberries do!), you can add the Cherryland ARC calendar to your mobile device! Links to do so are at the above page.

White Pine Stampede Report

The 2019 White Pine Stampede ran from 8am to 5pm. On February 2nd, 2019. It began at the Mancelona High School and ended in Bellaire.

There were several volunteers for the event, and no problems occurred during. I would like to thank everyone who came out to help.

The following people helped us with the event: Mike W8VPC, Pete K8QKP, Nelson W8NWO, Ernie K8RCT, Tom K8LZJ, Randy KE8JWF, Adam N8APX, Terry N8MJE, and Seth N0CALL (Terry's grandson).



Ham radio operators have been involved in the event for around 25 years or so. Information about the event can be found at: <http://www.whitepinestampede.org/web/about> and we hope that you can help us next year!

Thanks!
73 de Mike W8VPC

2019 Swap Report

Wow, what a Saturday! The 46th Annual Swap & Shop for the CARC is now history. Many people showed up to help out, so much so it was hard to keep a list of all who were there. I will try to mention



everyone in my report.

We had 37 tables that were pre-registered. Some had to cancel, others were no shows. Still others showed up that morning. We were able to set up 42 tables; Eight were not used. It was still a great turn out!

We were there at six a.m. to unlock the doors and turn on the lights. K8RCT was the first to arrive followed by N8WK. AB8RV was the first one to set up his table. Other early arrivers included K8SGZ, NU8A, W8PQ, KC8ZAP, N6QXA, WXIJ, NU8A, AA8SN, KC8RLU, N8CN & K80JP.





Some of the vendors arrived early to display their goods. KC8RLU set up his talk-in station. Throughout the morning he assisted people in finding our new location. N8CN got the PA system working. He made announcements and raffled the door prizes as well as running the SO/SO raffle. N8WK rented out the table spaces and sold admission tickets. He was assisted by AA8SN, W8RAK, and K80JP.



KC8EXD and KB8RDI again provided snacks for all. Coffee, pop, rolls and hot dogs were available. They were assisted by N8JJC, N8RRR, KB8VEH, KB8UYM, Autumn & Alyssa and KB8PGD. Five tables were set up for some good QSOs and rag chewing.

AA8SN again provided VE testing. She was assisted by KC8ZAP, W8JDR, KD8EDC, and N8KV. Testing resulted in three new Generals and one new Extra.

The cleanup crew was just outstanding. In one hour the gym was cleaned up and ready for a basketball game. Special thanks to many people including K8RCT, KC8ZAP, N6QXA, WXIJ, W8PQ, NU8A, K8SGZ, W8PQ, KC8RLU, N8RRR, KC8EXD, KB8RDI, Autumn & Alyssa, KB8VEH, and KB8UYM.



152 admission tickets were sold. Many people paid their club dues. Income was also received from K8SGZ at the club table and from the food service group.

73,
Joe Novak W8TVT

ARISS Event: Talk to an Astronaut!

If you haven't seen one of the many videos on YouTube where an auditorium full of people witnesses a bunch of kids as questions to the astronauts aboard the International Space Stations - and get immediate answers, live, from them as they fly high over everyone's head - you really should.



Better than that, you should plan to attend the Traverse Area District Library's (TADL) event this June!

Even better than that, **how would YOU like to be involved??**

In October, TADL (the library) approached the Cherryland ARC to ask if we'd be interested in being the sponsoring organization. The idea was broached to the board and at a general meeting. After a positive response, the club agreed and submitted a letter of intent to be the sponsoring organization for the event.



After the agreement was submitted and official application processed, the ARISS (Amateur Radio International Space Station) assigned us official mentors and helped guide the final application processes consisting of many forms and plans. The ARISS Mentors assisted in working with ARISS, the Center for the Advancement of Science in space (CASIS), the Radio Amateur Satellite Corporation (AMSAT), and the National Aeronautics and Space Administration (NASA).

The library would be assuming responsibility for the majority of the aspects of the event - the facilities, PR, distributing sound and video, accommodations, involvement of schools and youth groups, and pretty much all logistics. The CARC's responsibility would be making the radio contact happen and handing off audio feeds to TADL's crew for distribution to the audio and video feeds. The library produced, completed and submitted the Education Plan. The Cherryland ARC and ARISS Mentors completed and submitted the Equipment Plan.



Astronaut Sunita Williams. KD5PLB, speaks to students during a school contact.

In early February, we learned that the Traverse Area District Library with the support of the Cherryland ARC were one of only thirteen (13) approved applications in the entire United States! The announcement for those interested is here: <http://www.southgatearc.org/news/2019/february/us-schools-groups-move-into-phase-2-of-ariss-selections.htm#.XL2l5pNKjOQ>

US schools/groups move into phase 2 of ARISS selections

The schools and organizations are:

24th World Scout Jamboree West Virginia
 Council Rock High School South Holland, PA
 Galileo STEM Academy Eagle, ID
 Golden Oak Montessori Castro Valley, CA
 Lakeside Elementary School West Point, UT
 Loudoun County Space Dreamers Ashburn, VA
 Pearsall High School Air Force Jr. ROTC Pearsall, TX
 Santa Barbara Public Library Santa Barbara, CA
 Sonoma County Library Rohnert Park, CA
 Traverse Area District Library Traverse City, MI
 University of Colorado Amateur Radio Club Boulder, CO
 Woodridge Middle School High Ridge, MO
 Young Scientists Program at USC Los Angeles, CA

The Education Plan was accepted and the Equipment Plan was under review. In March we learned that the Equipment Plan had been approved.

In order to get to this point, many meetings at the library had taken place, several conference calls, and a flurry of emails exchanged. Eventually a larger-scale multi-party conference culminated and occurred on March 7th. Gordon KD8COJ and Larry K8MU (ARISS Mentors) travelled to Traverse City. The Cherryland ARC team met with them and the TADL staff at the library and performed an initial in-depth site survey and analysis, finalizing the equipment plan and logistics for the event. There would also follow several changes to this plan based on later conversations and discoveries regarding the TADL facility and feasibility requirements.



Our ARISS Mentors Gordon and Larry, and the entire ARISS team worked with CASIS and NASA, and we were notified that the ISS Astronauts will be agreeable to working the approved contact into their official schedule during the week of June 23-30th.

The exact Date and Time of the pass will be revealed around June 8/9th. NASA and CASIS are still considering the site plan (taking into account TADL's geographic location, elevation, and the horizon surveys collected) and making sure a "daytime, business-hours" pass occurs with optimum feasibility and that works with the astronauts' tight schedule.



Obviously, you're starting to get the point that coordinating multiple teams' efforts to accommodate hundreds of people for a successful live discussion with astronauts is more than just a single-day event with "a few days of setup." NASA's astronauts can't just "reschedule" if something comes up, and if it doesn't work 100% of the time "the first time" then there's no successful contact and hundreds of people are disappointed.

With this in mind, the Cherryland ARC team isn't planning on cutting corners or "making due" with questionable or aged equipment; the event is simply too large with too much at stake to use 20-year-old feed line or an aged radio that hasn't been recently aligned or qualified for operation. The antennas, feedline, rotors, cable, radios - everything, really - will be current, recent, and in proper operation. We want to be sure the installation can withstand environmental elements and that safety is observed,

so we're hoping to avoid "homemade" structures for antenna support on the library's membrane roof and use purpose-built mounting structures which assemble, disassemble, and fit through the roof access opening.

The principal operators have been and will be practicing contacts by tracking LEO satellites and the ISS' APRS and other non-live (automated) transmissions. Since our event window occurs immediately following Field Day, we're planning to set up the gear and operate it during Field Day as a "final practice" before the "big event".



The financial situation for this project is, as you can guess, on the "high" side given the high stakes yet high publicity/outreach impact. The good news: many of those involved (Brook, N8OCX, Joe N8CN) are absorbing the main costs by using personal equipment (radios, rotators, antennas, rotator controllers, etc).

The items we're hoping that the Cherryland ARC can help contribute to include the LMR-600 feed line that is necessary (roughly 600ft), the rotor cable necessary (also roughly 600ft), and the purchase of a non-penetrating roof mount capable of holding expensive antennas and an automated heavy-duty rotator system in a way that is non-destructive to the TADL structure and will not succumb to elemental/weather degradation, damage, or injury.

The Cherryland ARC board approved up to \$500 in support at the April board meeting contingent on approval at the April general meeting, so please be

watching for this. We're hoping for additional support to accompany this commitment, as the cost being sought from the club is closer to \$2000.00, or we may need to seek private donations. Almost all of the cost that we're hoping the Club can cover are for items that can either be easily re-sold (in many cases to people already expressing commitment to buy), or re-used for many years at events like Field Day or other activations/projects.

Joe N8CN will make a short presentation at the April 23rd meeting on the status and the story of the ARISS project, so we hope you can make it! Regardless of whether you're able to help with physical or fiduciary support, we hope you are able to participate in the event and witness Traverse City area youth communicate directly with Astronauts on the International Space Station using Ham Radio, sponsored by our own Cherryland ARC.

73,
Joe N8CN



Cadillac Swap is May 4th!

The Cadillac Swap is on May 4th! Doors open at 8am, and the location is the Cadillac Junior High School at 500 Chestnut Street. Talk-in will be on the 146.98(-) (no PL) repeater.

Please see the ad at the end of this issue, and be sure to visit <http://www.wexaukeearc.org> for more details!

Muskegon ARC ICOM IC-7300 Raffle!

The Muskegon Area Amateur Radio Club (W8ZHO) is currently running a raffle for an Icom 7300 transceiver. They will draw the winning ticket at their Field Day this summer. This information from Bill, NA8M, Member of MAARC, W8ZHO:

Raffle of an Icom 7300 HF/50 mHz Transceiver

The Muskegon Area Amateur Radio Council, W8ZHO is located in the Lake Michigan coastal community of Muskegon. We enjoy five acres and a clubhouse with towers and antennas on the shore of Lake Michigan. Our club dates to before WWII is affiliated with the ARRL, and is a tax-exempt 501(c)3 charity. In an effort to support our efforts to promote our hobby of amateur radio we are having a raffle, a HF/6-meter transceiver. The Icom 7300 SDR transceiver has only been out of its box a handful of times. The radio will be raffled at our club's Field Day site, June 22, '19. Raffle tickets are \$5. Raffle tickets available through PayPal for \$6 (the extra dollar helps cover PayPal expenses and postage) Please use PayPal for your ticket request using our email address, maarc@w8zho.com We will snail mail your ticket stub. Raffle tickets will also be available at the Cadillac and Hudsonville Hamfests in Western Michigan. The winner need not be present to win. We printed 500 raffle tickets. The State of Michigan license number is R51613.

ICOM 7300

SDR - HF/50 mHz Radio

Raffle benefits: Muskegon Area Amateur
Radio Council, W8ZHO

Nearly new

Icom 7300 HF/50 mHz Transceiver

500 Tickets Available at \$5.00 per ticket

See any MAARC member

or

Tickets available for \$6.00* per ticket through PayPal
(maarc@w8zho.com)

*to cover PayPal processing fees & postage

Lic. No. R51613

Drawing in Muskegon, MI, 2:00 pm,
Field Day, June 22, 2019

Skywarn Trained!



There was a Skywarn Training event on March 20th and some of the Cherryland ARC members attended including Tom WS4M and Scott WX1J. The event went 2h 30m and was attended pretty well, included lots of good information and lots of hand-outs.



If you have never attended a Skywarn training in the early spring, please plan to in the future. They are very informative, and are good refreshers - it's recommended that you attend every couple years just to stay on top of identification tips, scenario steps, and changes to terminology and procedures.

GR SATERN Com Van Training Opportunity

The following is from Bob Dennis, whom you may remember as having presented at the March club meeting:

We have room for some more operators that would like to learn our com Vehicle. Please let me know if you have anyone that would like to come and operate our com vehicle in a field environment. Here is a copy of info I posted on our TexCom calendar - We will set up our Communications Vehicle at Little Pine Island Thursday PM (15:00 Hrs.) and get ready for a interstate communications exercise with the Wisconsin National Guard and Wis. State EOC. We will be feeding about 20 at 6pm on Thursday and Breakfast and Lunch Friday 5/3/19. Note: those staying over night will need to bring sleeping bags and personal hygiene items.

Merit Badge "Tech Day" a success!



The Cherryland Amateur Radio Club had some members participate in the Boy Scouts' Merit Badge Tech Day this year on March 9th. In total we assisted more than 15 scouts as they obtained their Radio merit badge, as well as others.

Holly KB8ALS organized the Radio merit badge program through the scouts and leading the hands-on scout groups through operating and discovery were Joe KC8RLU, Joe N8CN, Scott WX1J and Ken KØWJR.



A HUGE THANK-YOU to all involved for introducing Ham Radio to our future generation through the Scouting program!

The event was covered by TV 9&10 News, and a link to footage is here:

https://www.9and10news.com/2019/03/09/from-welding-to-woodworking-boy-scouts-earn-merit-badges-at-career-technical-center/?fbclid=IwAR0q0DaZIVTzMCkGX6A1-z-8N2nS_zlRIbUsvyrVsQVEFzq5rdMbSGSzZas

TBARG April 11 SET a success!

The Traverse Bay Area Radio-emergency Group assisted Munson Healthcare for the Region 7 RHCC emergency drill on April 17th. Members from the TBARG group staffed more than 6 locations and actively transmitted digital messages using AndFIMsg and VHF/UHF FM analog.



Many users employed the assistance of cross-band repeating using FTM-400 or similar mobile radios positioned outside the "zone of impact." John Bolde of Munson had many kind words as he presented the results of the exercise to others. Copper Ridge (Surgery Center) also had kind words following our deployment efforts.

Silent Key: Norm Schmansky KB8PY

Much of the success of the transmission of the digital messages is a direct result of the almost-weekly practices on the Monday Night TBARG net following the CARC MESH Net. We encourage everyone to grab any old android device (an old phone or a kindle fire will work great!) And try to receive the messages. Then try to send one! It's super easy and well documented.



In addition to Ham Radio gear, TBARG was able to provide the option of AT&T FirstNet cellular phones (phones that are prioritized when cellular network disruption occurs) and also a GPS-Satellite text-messaging system, capable of sending SMS or email when internet/cellular networks are not available.

In all, the services offered were a huge benefit to the serviced entities. Many thanks to all involved!



Obituary for Norman Eugene Schmansky, from <https://www.reynolds-jonkhoff.com/obituaries/Norman-Schmansky/#!/Obituary>



TRAVERSE CITY – Norman E. Schmansky, age 85, of Traverse City, passed away on Monday, March 11, 2019 at the Munson Hospice House in the loving care of his family.

Norman was born on May 3, 1933 to Eugene and Beatrice (Shaw) Schmansky in Pontiac, MI. Norman grew up in Walled Lake. He attended Walled Lake high school and was on the track team. He was also active in Boy Scouts earning the rank of Eagle Scout. Following his high school graduation in 1951, Norman served his country in the United States Navy during the Korean War. Norman was an Electronics Technician aboard the USS Gilmore. Norman was honorably discharged from the United States Navy in 1955.

Following his involvement in the United States Navy, Norman enrolled at Michigan State University where he received a Bachelor's Degree in Mathematics. After graduation, Norman took a job in Marquette where he taught at Graveraet High School while enrolled at Northern Michigan University where he received his Master's Degree in Mathematics. After teaching in Marquette, Norman went on to teach in Lake Orion and Birmingham, retiring in 1986 from Birmingham schools.

Norman met Judith Ghastin at a church event in his hometown of Pontiac and in 1968 the two were married. In 1991 Norman and Judy made the move to Traverse City as Judy was offered a job which also brought them closer to her side of the family.

Norman enjoyed amateur radio, woodworking, and was very active in the Coast Guard Auxiliary, Knights of Columbus, American Legion Honor Guard, and was a leader in Boy Scouts of America. Norman was an honest, humble man who was known to always be reliable. His actions spoke louder than words.

Norman is survived by his wife, Judith, daughters; Jeanette (Scott) Smith and Marie Schmansky, his sister, Beatrice (Laurence) Peyser and brother, John (Norma) Schmansky, grandson, Nathan Smith, and granddaughter, Emily Smith.

Norman was preceded in death by his parents and sisters Patricia (Joseph) Rehfus and Margaret (William) Pfhalert.

<SK>

Silent Key: Beverly Stoner K8ZJU

Cherryland ARC members,

It is with deep regret that I inform you of the passing of Beverly Stoner, K8ZJU.

If you were licensed as a ham in Northern Michigan from the 1980s until recently, there's a very good chance Beverly (and her late husband Marion) may have been a part of the Volunteer Examiner team. She was a member of the Cherryland Amateur Radio Club along with several others, and "led the charge" for many years promoting Amateur Radio and being an exemplary steward and example of the high quality and caliber of operators we all hope to some day be.

Here is a link to and a copy of the Obituary from the Record Eagle.

<http://obituaries.record-eagle.com/obituary/beverley-stoner-1927-2019-1073149768>

Beverly May (West) Stoner

April 22, 1927 - February 26, 2019

Beverly May West was born April 22, 1927, the first child and daughter of Ira Gordon and Ada May West in Kalamazoo. She grew up there, attending Milwood Public School and Western State High School, where she graduated in 1945.

She then became a central office operator for Michigan Bell Telephone Company and worked there and in Port Huron after her marriage to Marion J. Stoner on March 8, 1947. A son, Thomas Gordon Stoner, was born to her on April 12, 1950 and a daughter, Mary Anne Stoner, on July 18, 1953. She lived in Marysville, Detroit and Dearborn Heights while the family was growing up and was very active in the Girl Scouts of Metro Detroit.

She obtained her amateur radio license in 1961, being assigned the call sign of K8ZJU, and was very involved in handling messages for service personnel during the Vietnam War. She returned to the commercial field in 1972 by joining R.L. Polk & Co. in their Taylor office as a market planner.

After a move to the Lansing area, she attended Lansing Community College to study energy efficient



housing. This information was used in designing their retirement home.

She worked for the U.S. Government during the census year 1980. She then became an office manager for Wright Line, Inc. and the substitute office manager for her husband at American Microwave and Communications. She was also a private contractor doing computer entry for Sparrow Hospital in Lansing.

She retired in 1991 to move to Frankfort with her husband. After the FCC stopped giving amateur radio license exams in 1984, Beverley and Marion were very active as amateur extra level volunteer examiners, giving exams in Traverse City and Manistee and in Ann Arbor after she moved to Dexter in 2008. She was a past president and life member of the Motor City Radio Club, a life member of the Central Michigan Amateur Radio Club, a member of the Cherryland Amateur Radio Club and the ARROW Communications Association. She was also a member of the Amateur Radio Relay League, Quarter Century Wireless Association, the Michigan Amateur Communication System and a founding member of The Auto State Young Ladies Radio Club. She was active in the Amateur Radio Emergency Service, being a trained weather spotter.

Beverley died on Feb. 26, 2019 in Ann Arbor, having been predeceased by her parents; husband Marion; brother, Arthur H. West; and daughter-in-law, Catherine Stoner.

She is survived by her son, Thomas and wife, Madeline, of Dexter; daughter, Mary Anne Nugent and husband, Jay, of Ypsilanti; grandchildren, Christopher Kane, of Canton, Charlette Stoner, of Oswego, New York, and Alexander Kane, of San Jose, California; step granddaughter, Alicia Schehr; step great-granddaughters, Ashley and Ava Schehr, of Birmingham; and three sisters-in-law, Phyllisan West, of Cape Coral, Florida, and Barbara and Jean Stoner, of Ann Arbor.

A funeral will be held at 1 p.m. Tuesday, March 12, at the Jowett Family Funeral Home, Benzonia, with Pastor Dinah Haag officiating. The family will receive friends from 11 a.m. until the time of the service.

Arrangements are by Jowett Family Funeral Home & Cremation Service. Benzonia.

<SK>

Silent Key: "Hello" Joe Panyard K8DT

It is with deep regret that I inform you of the passing of Joe Panyard, K8DT.

Joe passed away unexpectedly on Friday evening March 1st following complications from a medical procedure.



Joe has been a long-time active member of the club, so there will be a more complete notice accompanying the information we receive.

Please keep his family in your thoughts and prayers. Here is a link to and a copy of the Obituary from the Record Eagle.

This summer the Panyard family will host a celebration of his life fish fry on the weekend of his favorite holiday, the Fourth of July.

<http://obituaries.record-eagle.com/obituary/joseph-panyard-sr-2019-1073161640>

Today it is the shades of grey that determine the day on the Grand Traverse Bay. Joseph Leo Panyard Sr. passed away March 1, 2019.

Joe is survived by his wife, Deidre Ann Jones Panyard; daughters, Tinamarie (Eric Probst) Panyard and Penelope (Scott Maleski); son, Joseph Leo Jr. (Diana Panyard); grandchildren, Kristopher Alspaugh, Kayla Panyard, Keegan Maleski, Logan Maleski and Lottie Probst; and great-grandchildren, Tristyn Alspaugh, Hayden Hartzler and Hartleigh Elifritz.

Awaiting him in heaven to go fishing and have a picnic in the dunes are his parents, George and Lolita Panyard; brothers, George and Francis; sister, Harriet Herr; grandson, Kyle Alspaugh; and the many friends he's loved who have gone to heaven before him over the years.

He journeyed through life to the beat of his own drum while talking on his ham radio. He was an adventurous young man, hitchhiking to Seattle to see the World's Fair and joining the U.S. Navy to proudly serve his country.

He married his sweetheart; they built a home for their young family with their very own hands. Together they raised their three children with fierce passion. He was a dedicated son, brother, father, grandfather, great-grandfather, uncle and friend.

Joe loved sailing, cross country skiing, swimming, picnics on the beach and taking adventures with the love of his life, Dee. His greatest joy was his grandchildren and great-grandchildren.

He was known to his neighbors as Hello Joe and Mr. Joe, the fun neighbor who always had a smile a conversation, a cookie, a beer or a cigar, depending on your age and preference. These past years you

could find Joe sitting at the fire pit in his backyard chatting with friends, talking on his ham radio or working in his picture framing shop. For many years K8DT would welcome the morning on his ham radio to all of his friends, "It's a great day today on the Grand Traverse Bay."

Today it is with tears in our eyes, love in our hearts and memories we share that determine our way as we say goodbye to Joseph Leo Panyard. This summer the Panyard family will host a celebration of his life fish fry on the weekend of his favorite holiday, Fourth of July.

For anyone who would like to send a memorial, Joe loved the amazing parks and lakes of his home state, Michigan. His favorite organizations were Inland Seas at:

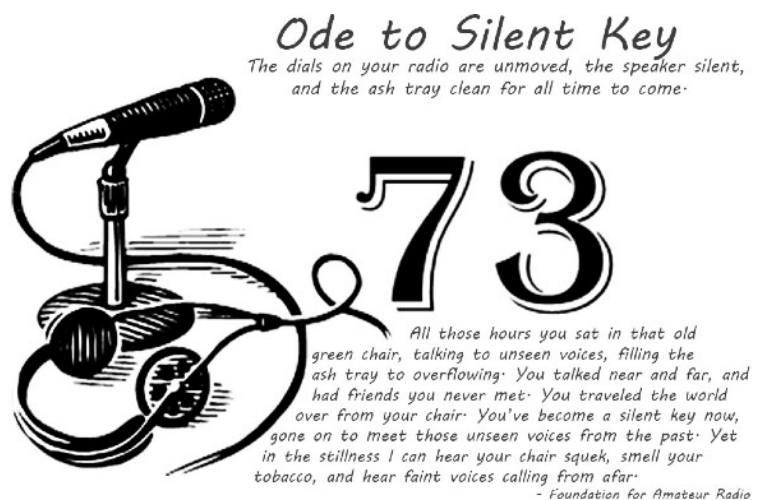
<https://schoolship.org/> and Herman Community Park in Suttons Bay at http://www.suttonsbayparks.org/herman_community_park.php/

Please feel free to share your thoughts and memories with Joe's family at his tribute page at www.reynolds-jonkhoff.com.

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

(Published on March 10, 2019)

<SK>



Silent Key: Bill Shenk W8PIT

It is with deep regret that I inform you of the passing of Bill Shenk, W8PIT.



Bill was 93 and passed away on February 6th surrounded by family.

Services took place on February 11th at the Reynolds-Jonkhoff Funeral Home in Traverse City, officiated by Dr. Gary Hogue.

The family is being cared for by Reynolds-Jonkhoff Funeral Home & Cremation Services. A link to the obituary and tributes can be found here: <https://www.reynolds-jonkhoff.com/obituaries/William-Shenk/#!/Obituary>

As many of you know, Bill was a member of the Cherryland ARC for many, many years. Bill served as

the corresponding secretary for the CARC for many years, and had also served as Club President.

Bill was frequently found volunteering service as VE examiner for those testing to become hams and upgrade their licenses. Bill also assisted with many of the CARC's efforts with the Red Cross in the 90s and early 2000s.

Bill was honored with the Cherryland Amateur Radio Club's William Martinek W8JUY Ham Of The Year award in 1998.

Please keep his family in your thoughts and prayers. Bill will be deeply missed.

As is a common tradition with the passing of an Amateur Radio operator, we bid a final 73 to our friend and supporter Bill W8PIT.

<SK>

Silent Key: Jim Haldaman K8JDH

It is with deep regret that I inform you of the passing of Jim Haldaman, K8JDH.

Jim passed away on November 23 at the age of 83. Jim had been a long-time member of the Cherryland Amateur Radio Club.



A full Obituary is online at:

<http://obits.mlive.com/obituaries/grandrapids/obituary.aspx?n=james-haldaman&pid=190830534&fhid=6395>

Please keep his wife and family in your thoughts and prayers.

As is a common tradition with the passing of an Amateur Radio operator, we bid a final 73 to our friend and supporter Jim K8JDH.

<SK>

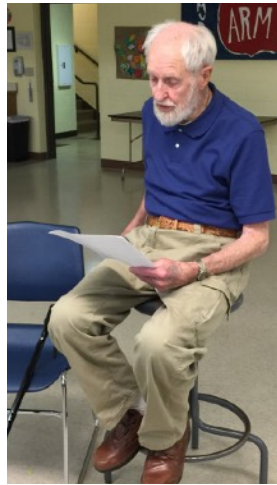
Silent Key: Warren Lange W8KAN

It is with deep regret that I inform you of the passing of Warren Lange, W8KAN.

Warren was 96 and passed away on Sunday, Dec. 16, 2018 surrounded by loving family.

The family is being cared for by Reynolds-Jonkhoff Funeral Home & Cremation Services. A link to the obituary and tributes can be found here:

<https://www.reynolds-jonkhoff.com/obituaries/Warren-Lange/#!/Obituary>



As many of you know, Warren was a member of the Cherryland ARC for many, many years. He recently donated a large amount of equipment to the club, some of which we use in our project area, and some of which was sold last year to improve the financial stability of the club.

Warren was a regular on the 146.860 repeater, especially recently the TBARG Emergency Communications Net.

Warren also gave some presentation to the Cherryland ARC membership at monthly meeting programs. A complete write-up and pictures of some of these are available online on the club website.

Warren held an Amateur Radio license for many years, and loved to share stories of his experiences and challenges over the years, from his time on the West Coast using cable-car power cables as an antenna from his apartment window, to the construction of towers, and his time here in Michigan as well.

A full Obituary and service information will be published soon in the Record Eagle, and we will relay this information to the list.

Please keep his wife Lois GoLightly and family in your thoughts and prayers this holiday season. Warren will be deeply missed.



As is a common tradition with the passing of an Amateur Radio operator, we bid a final 73 to our friend and supporter Warren W8KAN. <SK>

MESH NET CONTROLS SOUGHT



The Cherryland ARC is seeking people interested in running **Net Control** for the Monday Evening Social Hour Net (**MESH Net**) on 146.86, Monday Nights at 8pm. We would like a new person to take this role each month in 2019. Please contact Toby KC8VSU or Joe KC8RLU (president@cherrylandarc.com) if you are interested!

Thanks!

Approved Minutes for
Cherryland Amateur Radio Club
 Board Meeting 11/6/2018

Present: Joe N8CN, Doc, Randy KE8JWB, Ted N6QXA, Joe W8TVT, Glen K85VZ, Ernie K8RCT
 Ward N8WK, Joe KC8RLU, Dave NU8A, Mark KC8ZAP

1. Review Minutes - Ward N8WK moves to approve October 2018 minutes, Joe N8CN seconds. Approved
2. Treasurer Report - Ward N8WK
 - a. Rig sold to Boy Scouts for \$566
3. Orchestrate sale of equipment from N8NSL estate. — Joe W8TVT
 - a. Joe re-listing FT-zeee package
4. Bell Ringing - Ernie - WaloMart? Early Dec
 - a. December 15, Walmart 10 am to 8 pm. If we can't get enough to cover 6pm to 8pm,
 SA will hire people to cover it. Ernie K8RCT moves to for club to do bell ringing, Ward NBWK seconds. Approved
5. Disposal of Surplus Radios - See TBARG report
6. Clean up Club Room - Ernie - email list as an FYI. Leftovers will be sold at the swap.
 - a. Form 4 piles: Currently used, Personal item, Good enough for swap, Dumpster. Ernie K8RCT reports that this was done.
7. Receive Donation of VHF radios from Fire Department. Completed — Glen has a Proposal
8. TBARG Report - Glen K8SGZ
 - a. TBARG Proposal - 36 handheld, 9 mobile. Heavy commercial Kenwood radios. Mike Cleary is evaluating and programming.
 Ward N8WK moves to accept proposal, Ernie K8RCT seconds. Radios must be labeled CARC/TBARG. Mike spent \$150 on special cable.
 Ward NBWK moves to reimburse Mike up to \$290. Ernie K8RCT seconds. Approved.
 - b. Glen has tablets!
 - c. Glen K8SGZ is working on article for QST
9. NET REPORTS
 - a. MESH — Toby KC8VSU says things are going well
 - b. TBARG — Glen says it's going well
 - c. SMASH — Going well
10. Committee Items
 - a. SATC Viability Committee
 - i. SATC work
 1. Dave NU8A conversed w/ Mike Leggett and provided notes on Grounding/estimate.
 2. Mike Leggett said tower should be bonded to main water pipe in the building.
 - ii. Joe N8CN spoke with Northern Tower.
 1. Waiting to hear back from John Gordon, Jim Goodyear
 - iii. Dave and Joe will get together to work things out.
 - b. #GOREC - -
 1. Status Report / Plan. GOREC staff happy with shack clean-up. Everything works.
 - ii. Inventory done thanks to Joe KC8RLU. Joe N8CN will record it with serial numbers.
 - iii. Lock Box Builds. They have offered to build.
11. Announcements / Meetings / Events
 - a. VE testing 11/10, 1PM @ TADL Study Room D upstairs
 - b. Christmas Dinner: Tuesday, December 4, 5:36 pm
 - c. General Meeting Programs
 1. 11/27: SDR (NU8A)
 - ii. 12/25: Christmas Party! Ward to figure out a date.
 - iii. 1/22: George N8RU?
 - iv. 2/26:
 - v. 3/26:
 - vi. 4/23: Ed Eklin K822 (He can make it to Tuesday night!)
 - d. Swap 2919, Feb 9
 1. St. Francis gymnasium currently looking like best option. Will have to set at 9:00 pm or later on Friday because of basketball game.
- Big parking lot
 - a. at SE corner. Need VE testing room.
 - ii. Talk—In: We'll probably need one this year! Who? Volunteers?
12. Adjourn - Ernie K8RCT moves to adjourn, Joe KC8RLU seconds. Approved.

***unofficial* Minutes for
Cherryland Amateur Radio Club**

Board Meeting 12-11-2018 (no quorum)

Present: Joe N8CN, Ward N8WK, Ernie K8RCT, Glen K8SGZ, Joe W8TVT, Randy KE8JWB, Dave K8WPE, Vinny, Toby KC8VSU

1. Review Minutes - Moves to approve minutes – 1st: 2nd: ➤ tabled (no quorum)
2. Treasurer Report – Ward N8WK
 - a. report received.
 - b. \$300 check to SATC – use as “challenge grant” – 1st: 2nd: ➤ tabled (no quorum)
3. Orchestrate sale of equipment from N8NSL estate. (TVT)
 - a. Joe re-listing FT-2000 package
4. Bell Ringing – Ernie – Wal-Mart, Dec. 15. – 10am-8pm – 11am-1pm (4 slots to fill)
5. Clean up Club Room – Completed – Joe to get new door lock
6. TBARG Report – Glen K8SGZ (Benzie SAR exercise Dec 1)
 - a. Good Digital Report sending stats
 - b. Working on article for QST – cheat sheets, video, one more revision? Almost done.
 - c. New Goals for 2019 (Munson initiatives, X-band repeat, some others)
 - d. Tablets – Thurs 7pm, how to use tablet meeting.
 - i. Cheat sheets provided! – Glen -> perhaps on the air!
6. INSURANCE – We have special coverage for SATC, WPBN and for the swap (GTACS)
7. Joe Novak Reports
 - a. Jim K8OJP health issues, please keep in thoughts/prayers
 - b. Jack K8XX health issues, please keep in thoughts/prayers
 - c. SFHS Gym Tour – 40 tables and some chairs. Round tables for dining/food service (under stage area).

Lisa & Steve Weaver will help with concessions again. B-Ball game will conclude ~10pm night before. Flyers are done and out there.

 - d. \$75 for Grigsby Estate received this evening.
 - e. FT-2000 - \$1200 for all 3, DMU for \$400. \$1600 package. \$300 shipping.
 - f. Ed K8ZZ ready to presentation on County Hunters in April
8. NET REPORTS – all nets going well – MESH, SMASH, TBARG. – 35 check ins last month, 92 mins. TBARG to go first?
9. Committee Items
 - a. SATC Viability Committee
 - i. SATC work – tabled until 2019
 - b. #GOREC
 - i. Lock Box Builds -> Project Night? #GOREC will build to our spec, also.
10. Elections - Officer Nominations / Suggestions while preparing a board-recommended “slate”

a. President	- n8cn (declined), kc8rlu, ?
b. Vice-President	- k8rct or k8sgz
c. Recording Secretary	- nu8a
d. Corresponding Secretary	- kc8rlu, k8rct
e. Treasurer	- n8wk
f. Directors	- w8vpc
g. Station Manager	- kc8rlu (appointment, not elected)
h. Cherry Juice Editor	- n8cn
11. Announcements / Meetings / Events
 - a. VE testing – AT THE SWAP
 - b. General Meeting Programs
 - i. 1/22 : Elections! And NEED AN IDEA!
 - ii. 2/26 : George N8RU - Straight Key Night? – RESCHEDULE FOR JUNE OR MAY (daylight driver)
 - iii. 3/26 : more antenna modeling (loops)
 - iv. 4/23 : Ed Eklin - K8ZZ
 - c. Swap 2019 – Feb 9th.
 - i. Location: St. Francis High School Gymnasium
 1. Parking
 2. Dining
 3. VE Testing on stage
 - a. Gymnasium is available. Refreshment area on stage. (café is occupied).
 - b. SE corner lot.
 - ii. Who? Volunteers?
 - iii. Door Prizes – ALLOCATE AND APPROVE
 - iv. Joint CARC+TBARG table! Marketing! Glen, Joe and Ted to work on.
12. Adjourn - 1st: n8wk 2nd: k8rct ➤ carried (no quorum but we left anyway)

Approved Minutes for
Cherryland Amateur Radio Club

Board Meeting 1/8/2019

Present: Mark KC8ZAP, Joe N8CN, Dave KJ4KFJ, Joe KC8RLU, Glen, K8SGZ, Toby KC8VUSU,
Vince KG8WF, Joe W8TVT, Brook N8OCX, Ernie K8RCT, Ward N8WK, Dave NU8A

1. Review Minutes – Ward N8WK moves to accept November 2018 minutes. Ernie K8RCT seconds. Approved
2. Treasurer Report – Ward N8WK
 - a. report received. About \$8K in the bank
 - b. \$300 check to SATC – use as “challenge grant”. Ernie moves, Ward seconds. Approved.
3. Orchestrate sale of equipment from N8NSL estate. (TVT)
 - a. Joe & Ernie listing FT-2000 package on eBay. Joe N8CN proposes selling the FT-2000 and getting an IC-7300 to generate interest. Most present support the idea. Dave H mentions need for a familiar radio or ECOM.
4. Bell Ringing Report – All volunteers showed up. Generous collections.
5. TBARG Report – Glen K8SGZ
 - a. 39 Check-ins on Monday
 - b. Toby looking for a Net Control to help
 - c. Going to install WinLink at Glen’s office on the HF transceiver.
 - d. Got 30-some radios. Did poorly at Munson because of metal in building.
 - e. Had a large ECOM exercise with Benzie. Could have gone better. Good learning experience. Terrain and weather may have been an issue. Very weak signals. Tablet/digital messages worked well. 8 TBARG members showed up.
 - f. Dave H is giving a monthly ECOM training in Benzie with CERT/RACES.
 - g. Benzie getting an ECOM trailer with money donated to their group.
6. INSURANCE – We have special coverage for SATC, WPBN and for the swap (GTACS)
7. Joe Novak Reports
 - a. OJP @ library – cardiac issues (pacemaker), pls keep in thoughts
 - b. Jack K8XX – cancer issues, in FL.
 - c. Saint Francis HS Gym for Swap –
 1. 40 tables and some chairs. Round tables for dining/food service (under stage area). Lisa & Steve Weaver will help with concessions again.
 2. B-Ball game will conclude ~10pm night before. Likely will be a \$70 fee for putting a tarp on the floor. Ward N8WK move to spend \$70 for putting tarp on floor. Joe N8CN seconds. Approved
 3. Will setup on Saturday morning at 6:30 AM
 4. Flyers are done and out there.
 5. Joe N8CN moved to spend \$250 on door prizes. Ward N8WK seconds. Approved.
Ernie K8RCT and Joe N8CN will get the items.
 6. Joe talking with Ted to be the club outreach person at the SWAP.
 - d. \$75 for Grigsby Estate received this evening.
 - e. FT-2000 - \$1200 for all 3, DMU for \$400. \$1600 package. \$300 shipping.
 - f. Eds On for County Hunters
8. NET REPORTS – all nets going well – MESH, SMASH, TBARG. – 39 check ins last month, 95 mins. TBARG to go first?
9. Announcements / Meetings / Events
 - a. VE testing – AT THE SWAP
 - b. General Meeting Programs
 1. 1/22 : Elections! And NEED AN IDEA! Japanese Fox-hunt
 2. 2/26 : George N8RU - Straight Key Night? – RESCHEDULE FOR JUNE OR MAY (daylight driver)
 3. 3/26 : more antenna modeling (loops)
 4. 4/23 : Ed Ekin - K8ZZ
 5. LTSPICE presentation Dave NU8A
10. Elections - Officer Nominations
 - a. President, Joe KC8RLU
 - b. Vice-President, Glen K8SGZ
 - c. Recording Secretary, Dave NU8A
 - d. Corresponding Secretary, Ernie K8RCT
 - e. Treasurer, Ward N8WK
 - f. Directors, Mike W8VPC
 - g. Station Manager, Joe KC8RLU
 - h. Cherry Juice Editor, Joe N8CN

Ward N8WK moves to accept slate, Ernie K8RCT seconds. Approved
11. Committee Items
 - a. SATC Viability Committee
 1. SATC work – tabled until 2019
 - b. #GOREC
 1. Lock Box Builds -> Project Night?
12. Adjourn – Ward N8WK moves, Ernie K8RCT seconds. Approved

Approved Minutes for
Cherryland Amateur Radio Club
Board Meeting 2/5/2019

Present: Joe N8CN, Mike W8VPC, Dave NU8A, Glen K8SGZ, Joe KC8RLU, Ward N8WK, Joe W8TVT, Brook N8OCX

1. REVIEW MINUTES – Ward N8WK moves to approve January 2019 minutes. Glen K8SGZ seconds. Approved
2. TREASURER REPORT – Ward N8WK
 - a. \$9,142.96 in the bank
 - b. All bills paid
 - c. Ward request proofreading of new member list.
3. TBARG REPORT – Glen K8SGZ
 - a. FT-2000 sold for \$2100. Half goes to TBARG
 - b. 2 meetings canceled due to weather
 - c. Garmin satellite radio now in use. Text or email from anywhere. \$12/month.
 - d. 6 people received digital message during live test on Monday night
 - e. Emergency exercise with Munson mid-April
 - f. Training needed for 800 MHz radios and satellite radios
4. SWAP UPDATE - Joe W8TVT
 - a. Joe W8TVT and Ernie K8RCT met with St. Francis manager at facility
 - b. Pre-sold 35 tables.
 - c. 6:30 AM Saturday setup, noon take-down
 - d. Ernie has door prizes
 - e. Joe KC8RLU posted SWAP pdf on QRZ
5. ANOUNCEMENTS / MEETINGS / EVENTS
 - a. General Membership Programs
 - 2/26 Videos? Bob Heil?
 - 3/26 Antenna Loop Modeling?
 - 4/23 Ed Elkin K8ZZ (Mobile Operation)Other possibilities: George N8RU (McElroy Hand Keys - May or June), Dave NU8A (LTSpice circuit modeling, Antenna Analyzer), Brook N8OCX (Arrow antennas, Satellites, Handheld radio tests)
 - b. Joe KC8RLU will talk with Salvation Army about EDS Training
6. Committee Items
 - a. SATC Viability Committee
 1. Tower status, grounding needs to be addressed
 - b. #GOREC
 1. Lock Box Builds -> Project Night?
7. Adjourn – Ward N8WK moves, Dave NU8A seconds. Approved

Approved Minutes for
Cherryland Amateur Radio Club

Board Meeting 3/5/2019

Present: Joe KC8RLU, Joe N8CN, Dave KJ4KFJ, Glen K8SGZ, Joe W8TVT, Ward N8WK,
Ernie K8RCT, Dave NU8A, Randy KE8JWB, Dave Wilcox K8WPE

1. REVIEW MINUTES – Ward N8WK moves to approve Feb 2019 minutes as amended. Ernie K8RCT seconds.
Approved.
2. TREASURER REPORT – Ward N8WK
 - a. About \$11K in bank
 - b. Some bills coming up
3. TBARG REPORT – Glen K8SGZ
 - a. 2 cancellations due to bad WX
 - b. Exercise in April with Munson
 - c. 4 from GT for Benzie 800 MHz training
 - d. Club 440 repeater very active
 - e. Glen K8SGZ moves to purchase FTM-400 radio to be located at Glen's office for up \$450.
Ernie K8RCT seconds. Approved.
4. SWAP UPDATE - Joe W8TVT
 - a. \$500-worth of new memberships from swap
 - b. Club items sold including donated items from estate
 - c. Whole event went very well. People liked the new location.
People with tables report best sales ever. Things went well with VEC testing according to Hope. Glen K8SGZ moves to reserve St. Francis for 2020 swap.
Ernie K8RCT seconds. Approved.
5. ANOUNCEMENTS / MEETINGS / EVENTS
 - a. Boy Scout tech day March 9, 9 AM to Noon at Career Tech Center. Several club members signed up to help. Joe N8CN will send email.
 - b. ARISS update. Site survey with club volunteers at TADL on March 7. In the early stages of getting equipment and plan. Would like to buy tracking system and other gear approximately \$2500. ARISS window is June 24-30.
 - c. INTEROPS conference attendee wanted to meet with SATURN representative and contacted Dave KJ4KFJ. They were not able to meet during this visit. Glen offers to follow up.
 - d. Joe KC8RLU talked with Salvation Army about EDS Training. It already happened.
Joe will follow up with them later.
 - c. General Membership Programs
 - 3/26 - SKYWARN
 - 4/23 - Ed Elkin K8ZZ (Mobile Operation)
 - Other possibilities: George N8RU (McElroy Hand Keys - May or June),
Dave NU8A (LTSpice circuit modeling, Antenna Analyzer),
Brook N8OCX (Arrow antennas, Satellites, Handheld radio tests)
 - d. Joe N8CN suggests TARPEN for project night
6. Committee Items
 - a. SATC Viability Committee
 1. Tower status, grounding needs to be addressed
 - b. #GOREC
 1. Lock Box Builds -> Project Night?
7. Adjourn – Ward N8WK moves, Ernie K8RCT seconds. Approved

That's all for the January 2019 issue of The Cherry Juice! As always, if you have any suggestions or comments, I'm all ears! –

joe@n8cn.org

73, Joe N8CN

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**.

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.

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)

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>



QRZ Callsign Search

Custom Search

This page is brought to
you in association with



Page last updated on: Wednesday, February 6, 2019

0

US schools/groups move into phase 2 of ARISS selections

The **ARISS-US Team** (Amateur Radio on the International Space Station) is pleased to announce schools or organizations submitting proposals have been selected to advance to the next stage of planning to host amateur radio contacts from July to December 2019.



The contacts will be with International Space Station (ISS) crew members using the ARISS equipment on the ISS. A review team of teachers from the ARISS-US Education Committee selected proposals after the recent proposal window closed. The groups will go forward to Phase 2, developing an amateur radio equipment plan to host a scheduled ARISS contact.

ARISS's primary goal is to engage people in science, technology, engineering, and math (STEM) activities, and involve them in pursuits related to space exploration, amateur radio, communications, and associated areas of study and career options. After a recent ARISS contact, Joanne Michael, KM6BWB, at Meadows Elementary School in Manhattan Beach, CA, stated, "ARISS is such an incredible opportunity for students to gain a once-in-a-lifetime experience and real-world skills that they can use the rest of their lives. What a wonderful program!"

ARISS anticipates that NASA will be able to provide scheduling opportunities for these US host organizations. The candidates must now complete an equipment plan that demonstrates their ability to execute the ham radio contact. Once their equipment plan is approved by the ARISS technical team, the final selected schools / organizations will be scheduled as their availability and flexibility match up with the scheduling opportunities.

The schools and organizations are:

Choose wisely. Choose S

Advertisement

Latest News Stories..

- [LFA Yagi inventor to retire](#)
- [Help required in final MarconISSta tests](#)
- [US schools/groups move into phase 2 of ARISS selections](#)
- [NASA airs departure of US cargo ship from International Space Station](#)
- [The MarconISSta project](#)
- [2 Meter News reader](#)
- [Lesotho DXpedition](#)
- [Kerry Amateur Radio Group special event](#)
- [IOTA news from the DARC](#)
- [Incredible video of South Pole auroras](#)
- [Announcing ARISS / NOTA Slow Scan TV Event - revised operating time](#)
- [Dutch Novice: Working group discusses draft report](#)
- [1979-1982 Transglobe expedition - Synca130 TRA931 wanted for London exhibition](#)
- [Electronics Notes opens a Ham Radio store](#)
- [Niagara Peninsula Radio Club ready for local emergencies](#)
- [PMSE funding scheme now open](#)

24th World Scout Jamboree West Virginia
 Council Rock High School South Holland, PA
 Galileo STEM Academy Eagle, ID
 Golden Oak Montessori Castro Valley, CA
 Lakeside Elementary School West Point, UT
 Loudon County Space Dreamers Ashburn, VA
 Pearsall High School Air Force Jr. ROTC Pearsall, TX
 Santa Barbara Public Library Santa Barbara, CA
 Sonoma County Library Rohnert Park, CA
 Traverse Area District Library Traverse City, MI
 University of Colorado Amateur Radio Club Boulder, CO
 Woodridge Middle School High Ridge, MO
 Young Scientists Program at USC Los Angeles, CA

About ARISS

Amateur Radio on the International Space Station (ARISS) is a cooperative venture of international amateur radio societies and the space agencies that support the International Space Station (ISS). In the United States, sponsors are the Radio Amateur Satellite Corporation (AMSAT), the American Radio Relay League (ARRL), the Center for the Advancement of Science in space (CASIS) and National Aeronautics and Space Administration (NASA).

The primary goal of ARISS is to promote exploration of science, technology, engineering, and mathematics (STEM) topics by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students in classrooms or public forms. Before and during these radio contacts, students, educators, parents, and communities learn about space, space technologies, and amateur radio. For more information, see www.ariss.org.

Also join us on Facebook: Amateur Radio on the International Space Station (ARISS)

Follow us on Twitter: ARISS_status

Dave Jordan, AA4KN

ARISS PR

aa4kn@amsat.org

Share this information !

0

Follow us

for applications

- [The February 2019 Communicator](#)
- [Revisions to Digital Radio Technical Codes](#)
- [EURA Newsletter February 2019](#)
- [AMSAT announces 50th Anniversary Space Symposium in Washington, DC](#)

HEADLINES BY
FEEDBURNER



Advertisement

Get our News Headlines delivered in one daily email

Enter your email address:

Subscribe

Delivered by [FeedBurner](#)

Please help to keep this website going

[Make A Donation](#)

- [Submit your news story](#)
- [News Front Page](#)

*The Wexaukee Amateur Radio Club Presents the
59TH Annual*

Cadillac Amateur Radio And Computer Swap



Saturday May 4, 2019

**ARRL CARD
CHECKER
ON SITE!**

**Doors Open at 8:00 A.M.
Admission \$5.00
Cadillac Junior High
School
500 Chestnut Street**

**MEETINGS
FOR
U.P.NET &
QCWA**

Talk In 146.98 Repeater K8CAD (no pl)

Food and Parking at the School

Website <http://www.wexaukeearc.org>

=====

(OVER FOR MAP AND TABLE RESERVATION INFORMATION)

Table Information

Table Rental:

\$12.00 per 8ft table

Payment due with reservation

For Reservations or Information

Send SASE to

Wexaukee Amateur Radio Club

PO Box 163

Cadillac, MI 49601

OR wexaukeearc.org

Testing Information

*Testing for all License
Classes will be held onsite.*

Registration at 8:30

Test session at 10:30

Testing Fee \$15.00

*Session limited to 50
applicants please.*

NO WEAPONS ALLOWED ON CADILLAC PUBLIC SCHOOL PROPERTY

