



Coming Events 2025

CCARC monthly meeting – July 7, 7 pm at the Salvation Army, 1330 Hudson St. or on Google Meet, <https://meet.google.com/zfsctwp-bax>

Glacier-Waterton Hamfest. July 18-21. <https://www.gwhamfest.org/registration/online-registration>

Elkhorn Run – August 2. **VOLUNTEERS NEEDED!** Rob Kingery – AE7AP Kingery713@gmail.com

CCARC picnic – September 6 at the Fairgrounds. Marla Unruh KM7LIB

Coffee Net – Every Saturday at 9 am on 147.22, Belmont Repeater. Eyeball @ Red Atlas at 9:30.

Trivia Net - every Sunday, 7:30 pm on 147.22. John Monson AJ7MT

CCARC Field Day 2025

CCARC Field Day participants made the trek to Devil's Elbow Campground this year – a great setting on the lake. Those making contacts overcame the presence of solar panels on a nearby house to make a surprising number of contacts overall. Best of all, it was fun to get together.



Sue Little KK7PSY, Lloyd Heffernan KK7HA, and Matthew Cornyn KK7YWU inspect Matt Carlson AA7VG's Delta loop antenna.



Lloyd KK7HA and Matt AA7VG

Special at Field Day – The arrival of Matt Gould AA7MG with his Army truck / camper-to-be created a sensation. Matt has refurbished the cab with his radio equipment. The box is on order, and when it arrives Matt will build the interior and complete the RV.



Matthew KK7YWU learning from Matt AA7VG



Above left to right: the famous Coco, Bob Morris N7AGP, Zhaun Paddock AI7BM, and Matt Carlson AA7VG.



In the MCU



Bob Thola N9IB and Matthew KK7YWU logging contacts.

Zhaun AI7BM says: Several teams worked contacts in the MCU. I coached and explained from the back, to help new operators make sense of the goings-on. This was to me the purpose of Field Day, helping people operate in modes and bands that they normally do not.



Tanner Paddock and frogs.

Antenna Day at the Zinn Ranch

Lynn K7WGR, John Dorr K5LBP, Keith Platts KM7AEM,
AI Simons WA1TYB, Ray Zinn K7ZIN,
Darrell Beckstrom K7IUI



AI WA1TYB, John K5LBP, Devin Felix KM7AXU,
Lynn K7WGR

For Sale

Kenwood TS-590s with an external Kenwood speaker and the speaker kit to make it sound less tinny. Original box and manuals also included. Price drop! \$600.

It's in great shape; I just found I prefer a simpler radio. Cody Melton AI7CA, codygmelton@gmail.com

SOTA!!

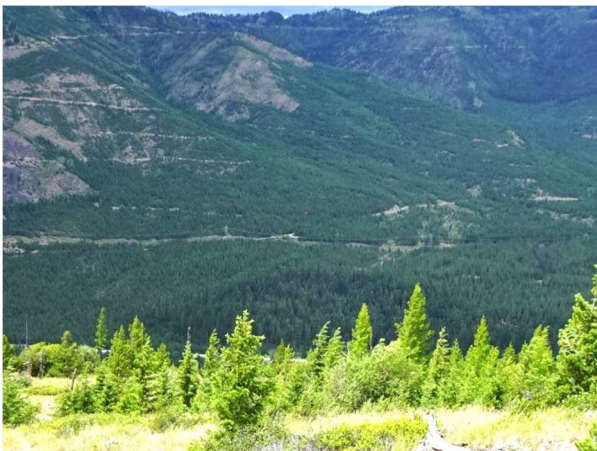
Combining a visit with our son Clint at the USFS-MCC Raven Work Center, and making a SOTA activation, we climbed W7M/LI-179. I only made 14 QSOs because of strange band conditions, spotting challenges, and threatening Wx. The bands that seemed to work the best were 40 SSB, and 20 CW. The work center is located in the unlogged cluster of trees shown in the first photo below, as seen on the way down from the summit. We stopped by Haskill Mountain W7M/FS-161 on the way home to meet up with Paul KK7SDH, Matt KF7PXT, and Scott N3XFD as they did a pre-Field Day SOTA activation. We left the summit about the time that they were getting rolling with Field Day. The Scott-Paul-Matt crew had a lot going on, including JS8Call, 2m SSB, and everything else! It was great meeting those guys!



Hanging the J-Pole



N3XFD, AE7AP, KK7SDH, KF7PXT



GALLATIN VALLEY HAM RADIO CLUB

GHRC Field Day

By Stacy Webb KK7CJV

The GHRC had a wonderful 2025 Field Day. The bands were not the best for contesting, but we made up for it with an afternoon fox hunt. Harley KI7XF hid the transmitters and taught attendees how to hunt the fox. Eric KE7NLU was the GOTA coach and introduced guests to amateur radio. He also fielded questions and diagnosed radio problems throughout the day. Sue KK7RYG, Pat KG7KGP, Sally KJ7WFN, and Carol KA7ROL were wonderful at greeting and showing the guests around to the different stations. We had extra antennas and radios for those wanting to hunt a fox. A scout with Troop 619 and their family, who were not at the Spring Camporee, came and hunted foxes and were able to make contacts on the GOTA station. New ham Mike KM7BIR and his son enjoyed hunting the foxes and sharing the hobby together. Alex KF8CXA was passing through the area but decided to crash our Field Day and try to grab QSOs for the club.

We had many never-before Field Day participants this year; for example, Daniel KM7BCC, one of our newest club members. I set Daniel up on our radio in the camper and helped him get started calling CQ. He was having so much fun he operated for an additional 2 hours! He is now shopping for his first HF radio. It was an amazing sight to see our younger members conversing with our seasoned members on the many topics of the ham radio hobby. We all gathered around the good eats and shared many conversations with our local hams. It was a great event, and we enjoyed sharing our hobby with the public.

Shooting for the Moon

By Eric Webb KE7NLU

A few weeks ago, I was introduced to Gene Shea KB7Q. While collaborating on a radio project, he mentioned that he would be doing some moon bounce and graciously offered an invitation for anyone interested to observe the process. The setup he used is built around the 23 cm band. The antenna is a fold-up dish made from Faraday fabric, and it is positioned using a highly accurate azimuth and elevation rotator with 0.1-degree precision. The software calculates the position of the moon and keeps the dish perfectly aligned with it.

The communication mode used was digital, utilizing WSJT-X over the JT65 protocol with an ICOM-9700 radio, which is equipped with a GPS-disciplined oscillator. Since the moon absorbs most of the radio energy, it takes a significant amount of power to successfully reflect the signal back to Earth. To achieve this, Gene built a homebrew 500W, 1.2 GHz amplifier. He made several contacts during the demonstration.

Before seeing Gene KB7Q's setup, I had assumed that moon bounce would be out of reach for many hams due to the high cost and complexity. While a setup like this is certainly not cheap or basic, it is still attainable for the ambitious.



Silas KM7BCU

By Stacy Webb KK7CJV

Meet Silas KM7BCU, our newest ham in the Gallatin valley. Silas is a scout with Troop 676 of the Mountain Valley District of Scouting America who just passed his Technician test. He comes from a long line of hams. His dad Matt KJ7CTH is a ham, and his great-grandfather was a radio operator during WWII. When asked what his current radio shack contains, he answered, "My dad has a mobile radio in the vehicle." With funds from the grant that GHRC received, we presented Silas with a new dual-band handheld as a gift for passing his Technician test. He was very excited to receive the radio before he ventured out on a 7-week backpacking trip in the Bob Marshall Wilderness. As for his future radio goals, he would like to purchase a BC-1000 or a SCR-300 Field Radio backpack. Keep an ear open and try to be Silas's first radio contact while he is in the back country of the Bob Marshall Wilderness.



Capital City Amateur Radio Club Helena, Montana



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[CCARC Shack Tour](#) – website
with member profiles
JOIN US!
Membership \$25 per year. Contact Al
Simons for application info.
al@simonshome.org

Capital Carriages Car Club

July Newsletter, first page below. Contact Darrell K7IUI to be added to his email list.

Capital Carriages Car Club

DEDICATED TO THE PRESERVATION OF ANTIQUE AND COLLECTIBLE MOTOR VEHICLES

Helena Chapter of the Montana Pioneer & Classic Auto Club, Inc.

Officers for 2025

President/Times Reporter:
Paul Christofferson
Vice President: Don Wood
Treasurer: Sharon Black
Secretary: Jerry Burrows
Newsletter Editor:
Darrell Beckstrom



July 2025

www.montanapioneerandclassicautoclub.org



2025 Upcoming Events

July 4—Dillon Days Auto Festival, 3:00pm on South Main Street

July 12—Vigilante Car Show in Virginia City 344 W Wallace, Virginia City, MT. Phone: (406) 843-5700

July 13—July Club meeting at Paul's House, 5:30 PM . 26 Willow Road, Montana City

July 27—Phillipsburg Flint Creek Annual Car Show 406-544-7424

July 19—Lutheran Car Show, 3000 N Benton, Helena. 11-2

August 17—Crusin the Drag in Bozeman, 9am to 2pm

August 21—Metal on the Missouri Car Show, Giant Springs 10:00am

August 23—Boulder Car Show, 8am to 3pm. 304 N Main St, Boulder, MT. Phone: 406-225-4039

August 23—Annual Rader Brothers' Memorial Car Show, Butte Depot 818 S Arizona St 9am—6pm.

August 28 ,thru September 1— International Mustang Meet in Helena, put on by the Last Chance Mustang and Ford Club. Contact Donna Graveley (406)465-9631
or graveleyranch@blackfoot.net

August 31—2nd annual Metal on the Missouri, 10am at Giant Springs Rd, Great Falls Kelly at 406-452-5661

Sept. 13— Lincoln Car Show. 9am to 4pm. mkolve@rocketmail.com, Marge .(406) 362-4460

Sept. 12,13—Fall Tour in Lewistown. 406-366-5750

October 5—Townsend Fall Fest. 406-980-1648

Museum of the Rockies Car Meet, every Friday until Oct. 10th, at 7PM at the Museum in Bozeman.