



# The Hellgate Static

## August 2022



Hellgate Amateur Radio Club  
P.O. Box 3811, Missoula, MT 59806-3811

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### Officers:

**President:** Paul Shuey, N7PAS  
**Vice-President:** Eric Sedgwick, NZ7S  
**Treasurer:** Dick Walton W7XT  
**Secretary:** Joe Geldrich, AG7FH

### Standing Committees:

**Emergency Coordinator:** Jerry Ehli, N7GE

**QSLs, Awards:** Mike Leary, K7MSO

**Webmaster:** Mike Leary, K7MSO

**Radio License Exams Contact VE:**  
Paul Shuey, N7PAS

**Static Editor:** Terry Cook, KF7BQ (Paul N7PAS)  
Bluetooth\_one@hotmail.com

### Advisory Committee's:

Eric Sedgwick NZ7S (Chair)

HF-D Tom Hellem, K0SN Dec 2021 for (22/23)

HF-V Tom Mc Ginley, K7QA Dec 2020 for (21/22)

V/U-D David Herzberg K7MTD Dec 2021 for (22/23)

V/U-V Gary Duncan KG7WYQ Dec 2021 for (21/22)

This one will be a 1 yr term

### Coming Events

Aug 5	Fox Hunt
Aug 8	Testing & Meeting
Aug 15	Fox Hunt
Sep 2	Fox Hunt
Sep 5	Labor Day
Sep 12	Testing & Meeting
Sep 19	Fox Hunt

### HARC August Meeting

**Program:** "Operating Mechanics - The X Factor in Contesting Success." by Patrick Barkey N9RV.

We are back to having monthly meetings and live in person online testing. The testing and meeting are on the 2<sup>nd</sup> Monday of each Month

Meetings will be held at The Church of Jesus Christ of Latter Day Saints, 3026 South Avenue West, across the street from Big Sky High School. Use the North entrance as all others will be locked.

Testing will begin promptly at 5:30PM, and end at 6:30PM.

Meeting area will be set up between 6:30-7:00PM and meeting will begin at 7:00PM (Business & Program).

Cleanup and **Sanitizing** will be done from the end of the program until done. Volunteers may assist.

**Our good friend and Static editor Terry Cook is still having medical problems. Please keep him in your prayers.** Terry is at home. Give him a call on his mobile 406-396-0475 Stop by and say hi, but give him a call first.

## July Meeting Testing Results

Congratulations to:

1. Michael Shutleff of Polson passed his General exam. His call is KK7GXZ.
2. Even G. Mohn of Lolo passed his General exam. His call is KK7BIP.
3. David L. Harlacher of Stevensville passed his General exam. His call is KK7AYZ.

## HARC Meeting 11 July 2022 Minutes

Meeting was called to order by President Paul N7PAS at 7:10 pm.

Roll was taken;

Paul N7PAS	Joe AG7FH	Tom K7QA
Jerri N7JGS	Jackie KC7RBC	Jace KK7GVO
John KE5RI, Visitor	Mike K7MSO	Aaron N7BIO
Dale W7RPG	Tom K0SN	Dick W7XT

Minutes from last meeting approved; 1<sup>st</sup> Mike K7MSO 2<sup>nd</sup> Aaron N7BIO.

Treasurer Report, Dick W7XT, Reports on all accounts, he said all the bills are not in yet on the Field Day and the purchase of the 10 tablets and supplies for new on-line exam testing.

Motion to reimburse members for Tablets & FD expenses 1<sup>st</sup> Tom H, 2<sup>nd</sup> Dick W. Motion passed

Repeater Committee, Nothing new.

Coming events; 5 Aug. FoxHunt, 8 Aug. Testing and Meeting. 15 Aug. Fox Hunt.  
HARC Discussion List; 14/15 Oct.- JOTA, 20 Oct.. – Great Montana Shakeout Drill,  
29/30 Oct. – Bitterroot Musers Dirt Dash.

VHF Net NCS assignments;

July 27 <sup>th</sup> Jerri N7JGS	Aug. 3 <sup>rd</sup> Paul N7PAS
Aug. 10 Mike N7MSO	Aug.17 <sup>th</sup> Jerri N7JGS

Next Meeting Aug. 8<sup>th</sup> , Meeting adjourned at 7:35 pm

Harley Leach KI7XF-W5YI- CVE, from Bozeman gave a Zoom presentation on the new on-line testing program that our club will now be using. Program over at 8:05 pm.

Sec. Joe AG7FH

# Registration Open for NASA's 2022 International Space Apps Challenge

Billed as the world's largest annual "hack-a-thon," the theme for this year's NASA International Space Apps Challenge is "Make Space," celebrating the motto of "there's always space for one more." Space Apps strives to eliminate barriers of access to space and science opportunities.

The challenge will focus on Earth and space science, technology, and exploration. Participant registration for in-person and virtual events is now open through October 2, 2022.

Space Apps provides an opportunity for everyone across the globe to use their passion for creativity, innovation, and unique perspectives, to tackle challenges created by NASA experts. The challenges range in skill level, expertise, subject matter, and objective, and they span a spectrum of disciplines and interests, including artificial intelligence, software development, art, and storytelling.

ARRL and amateur radio share several overlapping interests with NASA's objectives, including amateur satellite communications, Amateur Radio on the International Space Station (ARISS), and STEM (science, technology, engineering, and mathematics) programs that interest young people in both space and radio communications. ARRL encourages radio amateurs to consider participating in NASA's Space Apps Challenge.



Space Apps is managed by NASA's Earth Science Division in the agency's Science Mission Directorate at NASA Headquarters in Washington. It is organized in collaboration with Booz Allen Hamilton, Mindgrub, SecondMuse, and NASA's Open Innovation Applied Sciences Program.

For more information about Space Apps and to register for an in-person or online event on October 1 - 2, 2022, visit, [NASA International Space Apps Challenge](#).

*--Thanks to AMSAT, JoAnne Maenpaa, K9JKM, and NASA for information in this story.*

# The QSO Today Virtual Ham Expo Returns September 17 -18, 2022

The next QSO Today Virtual Ham Expo, a full featured virtual ham radio convention, is September 17 -18, 2022. The online event includes speakers and presentations, fully interactive video lounges where participants can meet each other and chat, and an exhibit hall full of vendors and organizations.

While the Ham Expo was originally created in August 2020 as an alternative to canceled in-person ham radio conventions due to the COVID-19 pandemic, it has evolved into a regularly-held event for amateur radio learning through peer submitted presentations on nearly every amateur radio subject, lively discussion, and interaction.

The Expo uses virtual event technology using platforms produced by vFairs and Kumospace. "The Kumospace lounges were a fantastic edition to the Expo last March and were full of hams and conversation during the entire Expo weekend", said Eric Guth, 4Z1UG, the founder of the QSO Today Virtual Ham Expo. Kumospace is a video chat platform for hosting and participating in immersive virtual events. Guth said there are new enhancements that will make the lounges even more enjoyable for attendees. Kumospace and vFairs are now supported by apps for Apple and Android. Expo personnel still recommend a fast internet connection and big screens for the best user experience.

New for this Ham Expo is a Poster Gallery Hall that includes a product showcase and interactive projects submitted by amateurs. The product showcase is as a way for vendors who may or may not have a booth to demonstrate individual products through videos, white papers, and slides. Each showcase is fully interactive through text chat and supports opportunities for vendors to follow-up with interested visitors. The Poster Gallery will also include an opportunity for individuals to submit papers, projects, and articles to be enjoyed by Expo delegates. Accepted gallery submission will include a free ticket to the expo.

Sponsor and exhibitor opportunities are still available. The \$10 ticket for the Expo will go on sale in August. Anyone can attend the Expo from anywhere in the world, over the internet.

For more information go to [qsotodayhamexpo.com](https://qsotodayhamexpo.com). ARRL The National Association for Amateur Radio® is a QSO Today Virtual Ham Expo Partner.



The QSO Today Virtual Ham Expo includes Kumospace lounges where participants can interact with each other via live video and audio.



A new feature of the Expo is a Poster Gallery Hall which will include a product showcase and interactive projects from radio amateurs.

# HELLGATE AMATEUR RADIO CLUB

## AGENDA – 8 Aug 2022 meeting

Introductions.      Make sure you sign the attendance sheet

last meeting minutes: \_\_\_\_\_  
Approval of last meeting minutes: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ Discussion P/F/T \_\_\_\_\_

Treasurer's report: \_\_\_\_\_  
Approval of Treasurer's report: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ Discussion P/F/T \_\_\_\_\_

Repeater Advisory Committee Report: \_\_\_\_\_  
\_\_\_\_\_

Approval of Committee report: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ Discussion P/F/T \_\_\_\_\_

### Events for 2022:

5 Aug – Fox Hunt	2 Sep – Fox Hunt
8 Aug – Testing & Meeting	5 Sep – Labor Day
15 Aug – Fox Hunt	12 Sep – Testing and Meeting
-- -----	19 Sep – Fox Hunt
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HARC Social Net every Saturday morning @ 9:00 AM on 147.040 Repeater

### HARC Discussion List

14/15 Oct – JOTA \_\_\_\_\_

20 Oct – Great Montana Shakeout Drill \_\_\_\_\_

29/30 Oct – Bitterroot Mushers Dirt Dash \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### VHF Net NCS assignments:

Aug 3 _N7PAS_ Backup	Sep 7 _N7PAS_ Backup
Aug 10 _K7MSO_ Backup	Sep 14 _____ Backup
Aug 17 _N7JGS_ Backup	Sep 21 _____ Backup
Aug 24 _NZ7S_ Backup	Sep 28 _____ Backup
Aug 31 _KK7AJO_ Backup	---- -- _____ Backup

Good and Welfare. 1.

**\*\*\* Next Club meeting: Sep 12.**

Adjournment: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ P/F/T \_\_\_\_\_

**Program:** "Operating Mechanics - The X Factor in Contesting Success."  
by Patrick Barkey N9RV.

# >>> August 2022

Goal of the month: ...Live life to the fullest each day,  
you only get one chance at it.

31	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
			ERC NET 7:30 on 146.900-88.5T BARC NET 8:15 on 146.720-203.5T HARC NET 9:00 on147.040+NoTone		Fox Hunt 146.560MHz @ 7:00 PM	HARC Social Net 9:00 Am on 147.040 Repeater
7	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
	HARC Testing 5:30 & Meeting 7:00 PM		ERC NET 7:30 on 146.900-88.5T BARC NET 8:15 on 146.720-203.5T HARC NET 9:00 on147.040+NoTone			HARC Social Net 9:00 Am on 147.040 Repeater
14	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
	Fox Hunt 146.560MHz @ 7:00 PM		ERC NET 7:30 on 146.900-88.5T BARC NET 8:15 on 146.720-203.5T HARC NET 9:00 on147.040+NoTone			HARC Social Net 9:00 Am on 147.040 Repeater
21	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
			ERC NET 7:30 on 146.900-88.5T BARC NET 8:15 on 146.720-203.5T HARC NET 9:00 on147.040+NoTone			HARC Social Net 9:00 Am on 147.040 Repeater
28	<b>29</b>	<b>30</b>	<b>31</b>	1	2	3
			ERC NET 7:30 on 146.900-88.5T BARC NET 8:15 on 146.720-203.5T HARC NET 9:00 on147.040+NoTone			