



# The Hellgate Static

## January 2023



Hellgate Amateur Radio Club  
P.O. Box 3811, Missoula, MT 59806-3811  
Web: [www.w7px.org](http://www.w7px.org)

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### Officers:

**President:** Eric Sedgwick, NZ7S  
**Vice-President:** David Herzberg, K7MTD  
**Treasurer:** Dick Walton W7XT  
**Secretary:** Mike Leary, K7MSO

### Standing Committees:

**Emergency Coordinator:** Mike Leary, K7MSO

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

**Webmaster:** Mike Leary, K7MSO

**Asst Webmaster:** Paul Shuey N7PAS

**Radio License Exams Contact VE:**

Paul Shuey, N7PAS

**Static Editor:** Paul N7PAS

pshuey000@gmail.com

### Advisory Committee's:

David Herzberg, K7MTD (Chair)

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

HF-V Tom Mc Ginley, K7QA Dec 2022 for (23/24)

V/U-D Vacant ----- Dec 2022 for (23-1Yr)

V/U-V Gary Duncan, KG7WYQ Dec 2022 for (23/24)

### Coming Events

#### Hello 2023

Jan 1 New Years Day  
Jan 2 News Years Day Off  
Jan 9 Testing, Meeting  
Jan 16 MLK Day

### HARC January Meeting

**Program:** Weather Balloons  
by David Herzberg, K7MTD.

We are having in-person 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 will be done from the end of the program until done. Volunteers may assist.

**Our good friend Terry Cook is still having medical problems. Please keep him in your prayers.** Terry is still having swelling problems with his arms and legs. Dr thinks it might be nerves. 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.

## December Meeting Testing Results

Congratulations to:

1. Merri MacDonald . She passed her Technician exam. Her new call sign is KK7JQR.

## HARC Meeting 12 December 2022 Minutes

The club had a nice catered dinner from Famous Dave's. There was plenty to eat.

Meeting called to order at 7PM by President, Paul N7PAS.

Members present;	Jesse KKGVO,	Charlie KK7IPT	Aaron N7BIO
Gary KG7WYQ	Rich K7QNZ	Jim KJ7YHG	Eric NZ7S
David K7MTD	Dale W7RPG	Mike K7MSO	Lance W7GJ
Tom K7QA	Jerri N7JGS	Paul N7PAS	Sandra KF7GZR
Dean N7DLP	Joe AG7FH		
	XYL,s Paige, Rae, Darlene.	Total 20	

The minutes from last meeting were approved, 1<sup>st</sup> Dean N7DLP, 2<sup>nd</sup> Jesse KK7GVO  
Treasurer 's report, None, Dick W7XT not here.

Motion was made to keep the dues the same as 2022, 1<sup>st</sup> Paul N7PAS, 2<sup>nd</sup> Eric NZ7S Approved  
Repeater Comm. Nothing to report.

Testing, Today we had one Technician applicant that passed.

Next meeting and testing will be Jan. 9<sup>th</sup>.

HARC Social Net meets every Sat. morning @ 9:00 AM on 147.040 Repeater.

Voting for next years positions was held, following are new officers for 2022.

President, Eric NZ7S	Secretary, Mike K7MSO
Vice President, David, K7MTD	Repeater Advisory; 2023/2024
Treasurer, Dick W7XT	HF. Tom K7QA, VHF Gary KG7WYO

VHF Net assignments;

Jan. 4 Paul N7PAS	Feb 1
Jan. 11 Dale W7RPG	Feb 8
Jan. 18 Mike K7MSO	Feb 15
Jan. 25 Jerri N7JGS	Feb 22

Meeting was adjourned.

Program ; TO7GJ DXpedition, By Lance Collister W7GJ

After the club business and program were completed, we had a fun white elephant gift exchange.  
Sec. Joe AG7FH

## PBS Production of Ham - Hams in Montana

Aired date November 24, 2022 7:30 PM Mountain time

<https://www.montanapbs.org/programs/ham/>

This program is 25:42 minutes long. **It is well worth watching.**

It was put together by university students here in Missoula, MT.

**For Sale: from KE7WR Kevin**

Contact: [kgoffe@msn.com](mailto:kgoffe@msn.com)

Drake equipment, a receiver and transmitter, R4B and T4XB twins in working condition. I have replaced all the electrolytics and rebuilt the power supply.

A SPR4 receiver in working condition, and a TR4 with power supply and speaker, but it needs some work. \$100 for the works just to cover about half the cost of the capacitors and power supply parts I put into it.

A Kenwood TS830S in working condition. A really nice rig especially for someone who doesn't mind tuning the finals like the old days. All solid state except for the driver and finals and works well. I replaced the driver and finals with new old stock tubes. Have about \$250 into it and would be happy to let it go to someone who would actually use it for \$100.

## REMINDER:

Dues for 2023 are due in January.

The current amount is \$25.00 per person and \$5.00 for each additional family member.

1 year free members, your payment will be due the month you earned your license and will be prorated to the end of 2023.

Dues may be sent to Hellgate Amateur Radio Club, P.O. Box 3811, Missoula, MT 59806-3811

Please send your payment in now to keep from being dropped from the newsletter.

## New General Question Pool Released for Ham Radio Licensing Effective July 1, 2023

The National Conference of Volunteer Examiner Coordinators' ([NCVEC](#)) Question Pool Committee ([QPC](#)) has released the [2023 - 2027 General Class FCC Element 3 Syllabus and Question Pool](#) to the public. The new General Question Pool is effective July 1, 2023, through June 30, 2027.

The new pool incorporates some significant changes compared to the 2019 - 2023 version. Its 432 questions were modified slightly to improve wording and to replace distractors; 51 new questions were generated, and 73 questions were eliminated. This resulted in a reduction of 22 questions, bringing the total number of questions in the pool down from 454. The level of difficulty of questions is more balanced, and the techniques and practices addressed have been updated.

The [pool](#) is available as a Microsoft Word document and PDF. The single graphic required for the new General Question Pool is available within the documents, or separately as PDF and JPG file formats.

"The newly revised pool must be used for General-class license exams starting July 1, 2023,"

General class examination candidates preparing for their exams using the 9th edition of [The General Class License Manual](#), and/or the 6th edition of [ARRL's General Q & A](#) are encouraged to test by, or before, June 30, 2023. New editions of ARRL licensing publications will be available in May, for exams taken on, or after, July 1, 2023.

### W5YI

The [NCVEC](#) Question Pool Committee has released the new General Class Question pool to the public. This new question pool goes into effect 7/1/2023.

[Hamstudy.org](#) already has imported the question pool and it is available for study purposes.

[Exam.tools](#) will allow you to print the new pool a couple of months before it goes into effect so you can update your paper tests if you are using them.

# Testing info from W5YI

## Why should I use HamStudy's Study Mode and not just take practice exams?

Posted on [August 1, 2022](#) by [Marcel Stieber](#)

We get this question a lot. People often wonder why they can't just take practice exams to learn the material. In theory, you can do this, but let's take a look at the numbers! We ran 10,000 simulations of randomly-generated practice exams for each exam's question pool, and then calculated the number of practice exams one would need to take to see every single question at least once. Note that is just to *see* every question, this doesn't mean you've actually learned it. Here's what we found:

For the 2022 Technician Question Pool:

- Mean: 76.1073 exams
- Median: 71 exams
- Mode: 68 exams
- Max: 184 exams
- Min: 44 exams

For the 2019 General Question Pool:

- Mean: 91.5207 exams
- Median: 77 exams
- Mode: 82 exams
- Max: 246 exams
- Min: 53 exam

For the 2020 Extra Question Pool:

- Mean: 90.2247 exams
- Median: 78 exams
- Mode: 84 exams
- Max: 210 exams
- Min: 52 exams

As you can see,

**you'd need to take between 44 and 246 practice exams just to see each question at least once!**

Using a study method like the one we've designed in HamStudy's Study Mode is a great way to get exposed to all the questions and get refreshed on questions you need to study more. Check out the HamStudy FAQ for more fun details on how the Flash Card method works and how your aptitude score is calculated:

<https://blog.hamstudy.org/faq/>

# HELLGATE AMATEUR RADIO CLUB

## AGENDA – 9 Jan 2023 meeting

Introductions. Please make sure you sign the attendance sheet

Last meeting minutes: Motion to approve minutes: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_  
Discussion \_\_\_\_\_ Vote: P/F/T

Treasurer's report: \_\_\_\_\_  
Motion to approve report: 1St \_\_\_\_\_ 2nd \_\_\_\_\_ Discussion P/F/T \_\_\_\_\_

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

Motion to approve report: 1St \_\_\_\_\_ 2nd \_\_\_\_\_ Discussion P/F/T \_\_\_\_\_

### Events for 2023:

- 01 Jan – New Years Day
- 02 Jan – New Years Day Off
- 09 Jan – Testing and Meeting
- 16 Jan – MLK Day

HARC Social Net every Saturday morning @ 9:00 AM on 147.040 Repeater

### HARC Discussion List

1. \_\_\_\_\_
2. \_\_\_\_\_

### VHF Net NCS assignments:

Jan 4	_N7PAS_	Backup	Feb 1	_N7PAS_
Jan 11	_W7RPG_	Backup	Feb 8	_____
Jan 18	_K7MSO_	Backup	Feb 15	_____
Jan 25	_N7JGS_	Backup	Feb 22	_____
----	--	_____	Backup	----

**Reminder:** Backup is always the next person in line as the net control.

Good and Welfare. \_\_\_\_\_  
\_\_\_\_\_

### \*\*\* Next Club meeting: Jan 9.

Motion to Adjourn: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ Vote: P/F/T

**Program:** Weather Balloons (Show & Tell) - by David Herzberg K7MTD.

January					2023	
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
New Year's Day	New Year's Day' day off		ERC NET 7:30 On 146.900-88.5T BARC NET 8:15 On 146.720-203.5T HARC NET 9:00 On 147.040+No Tone			HARC Social Net 9:00Am on 147.040 Repeater
8	9	10	11	12	13	14
	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 On 147.040+No Tone			HARC Social Net 9:00Am on 147.040 Repeater
15	16	17	18	19	20	21
	Martin Luther King Jr. Day		ERC NET 7:30 On 146.900-88.5T BARC NET 8:15 On 146.720-203.5T HARC NET 9:00 On 147.040+No Tone			HARC Social Net 9:00Am on 147.040 Repeater
22	23	24	25	26	27	28
			ERC NET 7:30 On 146.900-88.5T BARC NET 8:15 On 146.720-203.5T HARC NET 9:00 On 147.040+No Tone			HARC Social Net 9:00Am on 147.040 Repeater
29	30	31	1	2	3	4