

OROC Minutes – August 2021 (8/5/21)

Meeting called to order at 7:29pm

Garden Home launch 8/8

- Limited to 10am to noon because another group got booked over us starting at noon
- Communication with the THPRD office has been more difficult this year with a new team at that office
- Covid procedures still in place: distanced pads and fliers launch their own rockets

TCR Labor Day launch “Sod Blaster” - Sept. 3rd – 6th

- ~10k waiver
- Launch on a sod farm
- 20 minutes outside Pasco, WA (about 3.5 hours from Portland)

Fillible’s Folly- Sept. 17th - 19th

- Not sure which field we will be on yet, Robert Braibish will confirm in the coming weeks
- Trailer still needs to get brought back from Brothers, need a volunteer
 - 2” ball, ~3500 lbs, we will reimburse for gas
 - There is room in the storage container to offload some of the gear that we don’t use at Sheridan and lighten the trailer a bit
 - May do a small trailer cleanup party while it is in the valley
 - There is one quad pod that needs to be repaired, needs new sch-80PVC pipe pieces, David Armstrong has the pad right now

Secretary’s Report

- 165 memberships

Treasurer’s Report

- Report Date: 05-Aug-21
- Balance last report \$11,201.66
- Credits \$182.18
- Debts (\$1,559.00)
- Balance this report \$9,824.84
- Projected remaining funds after budgeted 2021 expenses: \$3,479.84
 - Does not include \$2,000.00 “cushion” we hold in the account for emergency unforeseen expenses
 - Includes board approved \$2,000 new pad expenditure, surplus pads from UROC after LDRS

LDRS 40

- **OROC is officially hosting LDRS 40!**
- ***I didn't say it on the meeting, but the website is live, for now it is just a homepage with a date.***
 - ***LDRS40.org***
- We (the bod and a few helpers) have already done a lot in the background
- There is still a lot to do!
- LDRS Discussion Agenda:
 - Gary Goncher photo presentation from LDRS 39 in Utah
 - Gary Goncher Powerpoint (attached)
 - Open discussion / Q&A
- Notes from photo presentation
 - LDRS 39 was huge, ~250-300 fliers, 200 vehicles
 - The salt flats are very large and there is a ton of room to spread out for the launch, although everything was marked very neatly
 - ~10 rocket vendors, 3 food vendors
 - Range design
 - 8 pad banks, mostly 8 pads each
 - Farthest away cell was rarely used
 - Rockets were occasionally launched farther out than they needed to be, either to keep things moving, or to err on the side of extra safety for complex/oddroc projects
 - Most popular motors were J and K
 - Plenty of low and mid power
 - Raised LCO "tower", about 4 feet off the ground. Included seats and a sun shade, helped by two spotters on the ground, one with binoculars
 - RSO was a separate tent with 3 volunteers at a time, always at least one Level-3
 - Sound system was just 3 big speakers. Pair of large amps, live mixer board with a pre-amp, and an FM transmitter feeding basic "boom box" stereos at every pad bank
 - Kelsey Black has volunteered to work on updating our sound system. Will likely test at Rocketober
- Powerpoint
 - Updates on what we have already done, what is currently on our to-do list (not exhaustive), and how we envision dividing up some of that work
 - See attached presentation
- Q&A

Too much discussion here to keep track of and I spent a lot of time answering questions in the Zoom chat. Here are some of the big / repeat questions and short answers, in no particular order:

- How will we clear sage?
 - Probably equipment, unsure yet if we will use a bucket (bulldoze it) or something more like a brush hog or flail mower.

- Can we limit attendance?
 - Yes, and we plan to, and TRA is fine with it.
- Can we camp?
 - Yes
- Can we have campfires?
 - As usual, won't know until we get closer to the date.
- Is the host hotel being 45 minutes away a problem?
 - Nope!
- Will people be allowed to cert at the launch?
 - Yes, but much more planning will go into this than usual.
- How do we sign up to volunteer?
 - Still in the works, but it will be on the website.
- Do we have a logo yet?
 - No, feel free to submit a design! We will either make a decision as a board or have a vote or something. We plan to get t-shirts up for sale asap.
- Who is going to pay for all this?
 - That's Robert's problem. Just kidding! LDRS launches routinely turn a profit between merch sales and registration fees. We are hoping to get enough pre-registrations early enough to have money to put towards improvements.
- Refund / cancellation policy?
 - Not sure yet. We will figure something out.

At this point it was less questions and more of people just tossing ideas around. Gary (and other board members as it pertained to them) took notes of some of the things we had not thought of.

The following is a pared down (read: removed all of our witty jokes) transcript of the comments section from the Q&A portion of the Zoom call:

20:12:35 From Robert Braibish : I would like to know how they integrated FRS into the com system

20:14:39 From Brian Clark : Yeah, I feel like there must be a cleaner solution than how we do it

20:15:45 From Kelly Jones : What are typical winds on the flats? I don't see that sun shade lasting in Brothers winds...

20:16:14 From Brian Clark : yeah, good point

20:20:59 From George Rachor : When you say clear the sage how is that done? Human or mechanical?

20:22:08 From George Rachor : Will we need additional work done on the road to the hy-way?

20:22:29 From Brian Clark : we will use equipment

20:22:38 From Brian Clark : I think

20:22:59 From Tim Ryerse : I'm thinking Bulldozer

20:23:16 From Brian Clark : and we have talked about the road, no decision yet

20:25:22 From Andrew Hosetler : Perhaps if we do bulldoze we hit up the main road into the site as well as the needed expansion areas.

20:25:39 From Carla (she, her, hers) : How are you going to pay for all of this?

20:25:47 From Andrew Hosetler : Good point

20:25:50 From Brant : Sage is already invasive and not native to the area. this used to be grassland

20:26:34 From Brian Clark : LDRS pre registrations will gross ~\$10k

20:26:44 From Carla (she, her, hers) : Yes. About the sage. In Madras, they are pulling up sage and junipers and replanting grass

20:26:55 From Tim Ryerse : I'm hopeful that a good layer of gravel will suffice. That said the neighbor who has the air strip has not been responsive, so the road may end up being out resposnsblilty.

20:27:32 From Kelsey Black (PC) : South side of the south flight line road... any expansion?

20:27:52 From Brian Clark : No, not planning to clear south of the southern edge

20:27:55 From Kelsey Black (PC) : Also, any 2500' hill pads in our future?

20:28:12 From Brian Clark : No plans for additional clearing on the hill

20:31:05 From Carla (she, her, hers) : Jack says our name for the launch should be LDRS-XL. It looks "cooler"

20:32:21 From Carla (she, her, hers) : Maybe have a t-shirt contest for our young kid members to get their interest going, but sell and "professional" one for sale to make \$\$\$

20:32:31 From Kelsey Black (PC) : I proposed LDRS-XL on TRF

20:32:57 From Carla (she, her, hers) : What is TRF??

20:33:12 From Kelsey Black (PC) : The Rocketry Forum

20:33:17 From Carla (she, her, hers) : Ty

20:33:37 From Chuck Fauser : <https://www.rocketryforum.com/>

20:33:53 From Dave Hewitt : I'm interested in LCO training.

20:34:37 From Kelsey Black (PC) : I intend to conduct Zoom LCO training and at Rocketober, AP Showers.

20:34:38 From Gus Robinson : we should have a hat too..

20:34:45 From Kelly Jones : Will we allow camping at LDRS?

20:35:05 From Brian Clark : yes

20:35:47 From Carla (she, her, hers) : Will we have some guidelines for camping?
Example: campfires?

20:36:13 From Kelsey Black (PC) : May just use horns out at away cells

20:36:35 From Brant : also important, we'll need guidelines on how much space a camper can use

20:36:40 From Brian Clark : yes, camping guidelines is all on our website already, an updated version will be on the LDRS40 site

20:37:13 From Brian Clark : Yeah, Brant, we are thinking individual sites will be marked with survey flags or something

20:38:00 From Kelsey Black (PC) : at 39, they used fluorescent survey paint to mark spaces on Wednesday. had faded by Sunday.

20:38:22 From Carla (she, her, hers) : As a non-rocketeer spouse, maybe you guys can sweet talk your partners into helping with some of the non rocket tents?

20:38:49 From Brant : You know Lisle will be helping

20:38:58 From Kelsey Black (PC) : The First Responder Humvee came from Boise area, and one of them joined Tripoli Idaho.

20:40:49 From Dan Camp : I use hand tools for clearing brush on my 6 acres,

20:43:12 From Chuck Fauser : Any chance of not using the hill for launching? We can put a lot of campers up there.

20:43:50 From Brian Clark : Probably not

20:43:52 From Carla (she, her, hers) : Jack says the hill is the only place to use N or O motors and maybe a p moto

20:44:05 From Brian Clark : without the kill, we cant go as high and we limit motors to simple M

20:44:07 From Gus Robinson : Do vendors pay a fee to the host club?

20:44:07 From Chuck Fauser : But he said no O motors

20:44:19 From Carla (she, her, hers) : Sweet talk spouses and older high school members to help out

20:44:54 From Brian Clark : Away goes up to simple M, hill is simple N, and simple O if we walk north

20:44:59 From Brian Clark : which we wont do at LDRS

20:45:10 From Kelsey Black (PC) : extra perks for signing up for multiple volunteer slot shifts.

20:45:50 From Brian Clark : Gus - not sure, that is a detail I haven't looked into yet

20:45:52 From Kelsey Black (PC) : Is there any possibility of getting a one time increase in the call-in waiver?

20:46:25 From Brian Clark : Kelsey I don't think so, but I can check with Alan

20:46:42 From Brian Clark : I think it is as high as it can go with the highway where it is

20:47:27 From Carla (she, her, hers) : Jack and I have been taking notes on the questions posted in chat. Jack will organize and send it in an email to Gary tomorrow

20:49:00 From Carla (she, her, hers) : This is such a big launch, it seems everyone will have to volunteer to help in some way.

20:49:01 From Gus Robinson to Brian Clark(Direct Message) : how does the off site speaker and dinner events get coordinated with the launch?

20:49:26 From Kelsey Black (PC) : UROC did have an option upon registration to volunteer for service.

20:49:31 From Brian Clark to Gus Robinson(Direct Message) : We will work out an itinerary and publish it well in advance

20:50:00 From Brian Clark : Yeah, I am still working out how I want to handle volunteer signups on the site

20:50:16 From joebevier : There is not the minimum safe distance available from the hill to the flight line for anything more than non-complex N motors.

20:50:21 From Brian Clark : It will likely be more elaborate than a google sheet for this launch

20:52:30 From Kelsey Black (PC) : it was beautiful shortly after shutdown too

20:52:31 From joebevier : We did have a whiteout in June at Brothers once.

20:53:20 From Richard Klyce : Will there be space for homebuilt towers at high power?

20:53:41 From Kelsey Black (PC) : There's distinct interest in higher waiver/larger motors (than N) from multiple parties for NXRS/LDRS XL

20:53:45 From Kelly Jones : Will their be LPR/MPR flights allowed? Any minimum impulse on HPR flights?

20:54:05 From Brian Clark : Kelly yes

20:54:07 From (10) Sophie L/recorder : Several students from Clark college are interested in getting L1 certification at Sheridan during September. How can they find someone to supervise their certifications?

20:54:16 From Brian Clark : Richard yes

20:54:27 From Chris Abbey (He, Him) : So no 1/4 A then? :)

20:54:52 From Brian Clark : sorry, Kelly's was a two parter, yes LPR / MPR, no minimums

20:55:10 From Carla (she, her, hers) : For certification reach out to Jack, Gary and maybe Jim W

20:55:25 From Joey : Sophie, it depends if it is NAR or Tripoli certification. Do you know which one?

20:55:42 From Richard Klyce : There will need to be a sign up for flight computers freqs.

20:55:44 From Brian Clark : Sophie, if it is NAR, there will be plenty of people that can help without prior arrangements, if it is TRA, contact Erik McKee via the BOD email address

20:55:50 From Kelsey Black (PC) : EMTs were from Boise Area

20:55:57 From Funny Accent : Can we get a higher waiver than 50,000K for this launch?

20:55:58 From Brian Clark : Richard yes, already have a plan for that I think

20:56:22 From Carla (she, her, hers) : Probably no on the higher 50,000 says Jack

20:56:27 From Brian Clark : Appleton probably not

20:56:44 From Richard Klyce : Brian if you need help for that talk to me.

20:56:48 From Funny Accent : and, should we plan a "build party" one weekend before the scheduled launch and do almost everything then... people WOULD volunteer to stay that week

20:56:57 From Funny Accent : and it would give the BOD a destress period

20:57:32 From Funny Accent : by build party, i mean, a group go out and set the complete launch a weekend in advance

20:57:33 From (10) Sophie L/recorder : Thank you, Brian Clark

20:57:42 From Brian Clark : thanks Richard!

20:57:43 From Tim Ryerse : We want to start this project at the Rocketober launch

20:58:28 From Kelsey Black (PC) : PA work will begin as soon as we can get the WAC system to Brothers (or Boise)

20:59:09 From Chris Liddell : We should have a separate volunteers for certification flights. It would be great if the LCO/RSOs have a signup board/sheet for those inquiring for certs.

20:59:21 From Kelsey Black (PC) : frequency coordination was part of registration, was posted online.

20:59:26 From Brian Clark : good idea Chris

21:00:26 From Michael : what hotels are in the block reserved? is there special pricing for them as part of the block?

21:00:48 From Carla (she, her, hers) : We can use the ATV, not the others.

21:00:51 From Brian Clark : hotel list isn't up yet, I need to get details from Gary, the pricing is reduced, yes

21:00:59 From Kelsey Black (PC) : seconded on aux road improvements per Kelly

21:01:45 From Chris Liddell : What about a "lost rocket" whiteboard. The sage can eat a rocket and it would be great if folks can post somewhere what's been lost and what's observers have seen.

21:01:52 From Chuck Fauser : Are there any restrictions to camping on the BLM land surrounding the launch site?

21:03:13 From Brian Clark : not sure chuck, might have to check the blm website

21:03:30 From Brian Clark : I know the rfpa will strongly discourage you from camping in the middle of the sage

21:03:40 From Brian Clark : but I don't know if its actually illegal

21:03:55 From Funny Accent : I would back the idea of Solar ONLY during summer months for all launches

21:04:02 From Carla (she, her, hers) : Where can we buy that solar panel?

21:04:11 From Funny Accent : he said Cosco

21:08:32 From Carla (she, her, hers) : Solar panels are great for home emergency kits

21:10:30 From Carla (she, her, hers) : Make a video and post on your website about "how to" do certs

21:12:37 From Carla (she, her, hers) : Jack Caynon can also be contacted to help with certification consultation for the college students.

21:16:24 From Chris Liddell : With parking at a premium and the potential of a lot of out of town flyers, we should do what we can to encourage "carpooling" to the site.

21:17:44 From Chris Liddell : would be great if we could offer a shuttle from the hotels, but that seems cost prohibitive

21:19:07 From Kelsey Black (PC) : FSO duty was a good experience at LDRS.

21:20:26 From Richard Klyce : I left a checklist for two stage rockets /rso at the rso table at the last launch.

21:21:29 From Kelsey Black (PC) : When I was FSO, we had two L3's on duty.

21:22:56 From Chuck Fauser : No cornfields anywhere

21:24:14 From Brant : cornfields are the worse - especially after it rains

21:24:32 From Kelly Jones : When you send out minutes can you include the presentation please?

21:24:41 From Brian Clark : Kelly yes

End of transcript

Gary Goncher PowerPoint Presentation:



TASKS ALREADY ACCOMPLISHED

- Landowner agreements
- WAC pads and audio system
- 5 HP pads from UROC
- Bend hotel rooms reserved (180)
- Many volunteers; thank you!

TASKS TO BE DONE

- LCO/RSO training [Bevier]
- LDRS website [Clark]
- Logo & t-shirt design
- Brothers survey
- Sage clearing for parking
- Pad acquisition
- Site signage [Braibish]
- Audio system [Black]
- Food trucks
- Work group organization

WORK GROUPS

- RSOs [Armstrong, Wilkerson]
- Pad acquisition
- Sage clearing (mid-Nov?)
- Site amenities (food, water, canopies)
- Camping arrangements (Prineville, Pine Mountain, Brothers)
- Range organization [Braibish]
- Parking organization
- Launch volunteer sign-ups
- Vendor organization [Goncher]

Meeting Adjourned 9:30pm