

OROC Minutes – February 2021 (2/4/21)

Meeting called to order at 7:30

New People

- Dave Hewitt – New member looking at getting back into model rocketry.
- Alan Williams – First time at a meeting. Has certified up to level 2. Hails from Government Camp, and planning to be at launches this summer.

High Power Launch Schedules

Ours is pretty much set with a full slate for the year.

Dave King (Tri-Cities Rocketeers) has a full schedule as well with 8 launches planned.

WAC is still in search of a new launch site.

NSL is back on! Memorial Day Weekend, May 29-31 in Colorado, 30k waiver.

LDRS is a go for July 29th – Aug 1st in Utah.

XPRS (overlaps Fillible's Folly)

BALLS (following weekend)

Low Power Launch Schedules

Gary hasn't been able to reach the THPRD office to inquire about scheduling the field yet.

Always looking for other opportunities

Silverton

Yamhill-Carlton

Others? Let the board know!

Secretary's Report

75 members

New online system is working smoothly

Working on a system for renewal without having to re-input all of your information

NARCON

4-5 members from OROC at the first virtual NARCON

Professional virtual organizing firm planned the event and created session recordings, chat features, etc.

Typical attendance is ~200, current signup count for this event is at 527 people (and you can still access it?).

Recordings will be accessible through February. PDF files of the PowerPoint presentations will be archived on the NAR site.

It went well enough that NAR is considering having more virtual events in the future even after the pandemic, or having hybrid events.

Gary's Top Presentation Picks:

- Intro to single-board computers and microprocessors in model rocketry
- Barrowman: Model Rocket Stability
- Getting Unusual High Power Rockets to Fly
- Artemis Project
- Franke Burke's Large Lightweight Rockets
- High Power Dual Deployment
- Keynote: Sport Rocketry from SpaceX and Beyond

Question: Could we have a presentation like any of these at meetings?

Gary: We could! With Zoom working now, we have this platform at our disposal for just that sort of content. We will work on coming up with ideas and gauge interest. Previous ideas include

Research Propellants

Minimum Diameter Construction Techniques

Rocket Gliders

Tube Wrapping

Rocsim / Open Rocket

FinSim

Ideas we have had presentations on before:

Staging (Gary Goncher)

AV-Bay Construction (Wilson Alness)

Epoxies / Layups

Ideas from the meeting:

Rocket FPV (live video feed to a ground station)

3D Printing

Treasurer's Report

Discussion for next meeting: What should we plan for special expenses / projects this year?

New Business

Tim Ryerse:

- OSU HART will be at Brothers Feb 19th – 21st. Can OROC members go watch? (not participate).
 - OSU: Sure, that is fine.
 - Dave Armstrong: If they are NAR members, they are insured
- Also, Richard Klyce has relayed info that a local Central Oregon reporter would like to do a special interest article about the launch. Is that possible?
 - Tyler Peltier (OSU) and Michael Stewart (OSU) aren't opposed to it, but agree with making sure everyone understands what this launch is, what it has in common with OROC, and how it differs from OROC launches. Team launches as well as individual certification launches are planned.

David Armstrong:

- RFPA Fire Training is all online again this year. 2 hours of content then you self-certify online. This is very good info, very helpful in the event of a fire, and financially helpful for the RFPA
- Brothers Weather Station idea
 - Had a conversation with local property owner: Happy to let us hookup to his internet connection and power. We just need to work out what equipment we want to install.
 - John Lyngdal and Tim Ryerse have researched equipment a bit: Sensor module could be solar powered with a lithium storage cell. Costs would start around \$500.
 - Thomas Friedmann: Also a member of Oregon Meteorological Society, says that price sounds about right.
 - Kelsey Black: APRS weather station at the launch site?
 - Gary: Power might be an issue.
 - Andrew Calkins: Could we add a Darksky sensor?
 - Gary Goncher: Still considering an Allsky Camera as well.

Erik McKee:

- Tripoli PIP (Prefecture Improvement Plan) Grant is available again this year. It is for up to \$500.

George Rachor:

TARC has been renamed American Rocketry Challenge. George is hosting a practice event this Sunday and could host a small handful of folks if anyone would like to fly F and G sized stuff. Reach out to him if you are interested.

Meeting Adjourned at 8:46pm.

