

OROC Meeting Minutes

Location: Giovanni's Restaurant in Beaverton

Date: March 2, 2006

Club Officers present: J.P. Roberts, Dave Bradley, Bob Moscoe, Yvonne Moscoe, Fred Azinger

Bob called the meeting to order at 7:40. (Fred arrived later)

Meeting minutes from February were approved.

Yvonne reported on the stat of the OROC Treasury. Since her last report in January, Yvonne recored the following transactions:

- Deposits: \$2,181.00 from membership fees, etc.
- Expenditures: \$2,070.17
 - Trailer shelving
 - NAR Section renewal
 - Lease payment for land owners
 - New equipment purchased at the trailer party
- In the bank: \$3,095.78 general funds, \$1,250.00 in the land fund, totaling \$4,345.78
- Anticipated future expenses: porta-potties, brochures, membership badges

Announcements

Launch Director Report: J.P. reported that there was no news on the FAA waiver request. There had already been a launch. Jim Wilkerson and a couple other people launched at Brothers on February 25th. J.P. reminded us that members can fly on a weekend other than a scheduled launch, please check in first with J.P. to call in the waiver, then confirm landowner permission to use the land.

Old Business

Old trailer: Greg Clark said the old trailer was put up on ebay for auction on Thursday February the 23th. There were 30 people currently and watching the auction and three active bids with a maximum bid so far of \$520. Bidding ends Sunday March 4th at 10:00 am. Notification was put out to the NWrocktery and OROC members email lists. Dave cleaned the inside of the trailer. The old trailer battery chargers are still in the trailer. Steve recommended we leave the old chargers in place.

New trailer: Steve designed a system employing battery tenders. The trailer party was well attended. We unloaded the old trailer, reloaded equipment into new totes as appropriate, and loaded new trailer. There is some room to spare. Considerable downsizing allowed all of the stuff from the old 14'x7' trailer to fit into the new 10'x6' V-nose trailer. Thanks again to Pete Ekstrom for installing the shelving and to Steve and Bob for designing it and Greg and Dave for being involved with the purchase of the trailer.

There will be a specific loading and unloading order to follow. Steve and Bob are planning to document the loading procedure at the May launch.

Trailer work remaining includes replacing the license plate holder and light. Someone stole it. Also, we will need to work out a way of getting power into the trailer for charging batteries. Steve and Bob intend to address this in the spring.

The equipment was well tended too. Batteries were checked, rods and rails were cleaned.

Bob will haul the trailer to the site in May. It will stay at Neil's place over the summer, assuming he is agreeable. The current plan is for Bob to haul the trailer stay to Neil's where it will stay until August. It will be available for the August EX launch. This is, of course contingent upon a commitment from someone attending the August launch to haul it back to Vancouver so it is available for a trailer party prior to Sheridan. It will be hauled out and back for Rocketober.

Bob described to layout of the trailer. Dennis asked about borrowing quad pods. Bob said it would be difficult to remove a quad pod because of how buried they are.

Bob announced that he plans to have a separate 12-pad lower power system available for use by club members while the trailer is stored at Neil's. It is not ready yet, but the equipment is on hand, and needs some work to become operational. This system would be good for OMSI launches, school launches, etc.

Trailer painting: Dave Proffitt announced that he had estimated \$509.70 including paint, primer, sand paper, etc. Dave passed around some drawings of the paint schemes he was considering. Neither option included the OROC logo for the sides. Dave recommended that logos be constructed of aluminum, with a transfer of the logo, and mounted on the side. To have the OROC logo airbrushed on would cost roughly \$350 per side, and Dave would not want to attempt this. Dave said the cost for his proposed paint schemes would probably not cost the full \$509.

Jeff Bennett mentioned that vinyl lettering is very affordable. J.P. acknowledges that anything Dave does would look awesome, but questions how important it is.

Bob points out that we don't necessarily need to paint the trailer this year. We've put a lot of money into the trailer, probably in excess of \$6,000. Bob does not want anything sticking out from the trailer that would cause drag.

J.P. suggested that we defer painting the trailer and look into vinyl decals. Bob agreed to table this.

New badges, brochures, and posters: Dave said that Matt has agreed to do the 2006 poster. Mayy had requested photos by email. J.P. had discussed with Matt that EX days should not be shown on the poster. Greg said he had edited the brochure for dates, so it is now current.

June launch: Recapping, the OROC BoD voted in February that the June launch will be commercial Friday and Saturday and EX Sunday and be operated under the TRA EX rules as they existed at that time. The day following the February OROC meeting happened to be the day the TRA released a new set of rules. The OROC BoD is interested in modifying the rules that were discussed at the February OROC meeting to more closely match the new Research Rules published by TRA.

Bob summarized the new TRA Research Rules:

- Minors are now considered under 18, which coincides with the membership age for TRA.
- Level 2 TRA member or higher may launch Research,
- Guests are now defined as any age,
- Spectators are permitted to be on site but must be segregated away from the launch prep activities.

Fred described OROC's adoption and interpretation of the new TRA Research rules as follows:

There are three levels of people at an OROC EX, or as is now the preferred term, Research launch

- Active researcher, which means you are a TRA Level 2 or higher and 18 years of age or older involved in research. These are the only people on site who are allowed to handle motors and the research rockets. These are also the only people who can go beyond the flight line, into the launch area.
- Invited guest.
 - An OROC member is automatically an invited guest of the club. Fred encouraged families to get family memberships. That way, family members are guests.
 - TRA Level 2 or higher researchers may invite guests.
 - Members at large who are guests may not invite guests.
- Spectator is someone not affiliated with the club. Spectators have to be out of the area where motor prep happens. We have a challenge here because we sleep and eat where motor prep happens. The OROC BoD therefore has chosen to interpret the rules to mean spectators are not allowed.

Steve pointed out that another change in the TRA Research rules is that certified commercial motors are now allowed as part of a research flight. Fred clarified that even with commercial motors, even Estes A engines, the flyer must be TRA Level 2 or higher.

John Lyngdal mentioned that commercial certification flights are not permitted at research launches.

Fred has cleared this interpretation with TRA BoD members.

New Business

Brothers lease payment: The lease includes use of the Brother site for five standard launches and up to four unofficial launches of significance. Bob made a motion to approve payment for this year's lease payment. The BoD voted to approve the payment.

TARC Teams: Theresa Walsh, Andrew Walsh, and their friend Matthew have the parts and the design. This year's Team America Rocket Challenge is to launch an egg to 800' and take 45 seconds to land; a combination of precision altitude and precision duration. The top 100 teams go to Virginia. A timer will be used for ejection.

John Lyngdal announced that the first place prize is to be flown VIP by Rockwell International to Farnborough Airshow in England.

Bob proposed that we pass the hat and the club matched the donations up to \$200. The BoD voted to approve writing a check to match the amount.

Members' announcements: Jon Lyngdal announced that the NAR Trustees meeting is March 9th and requested any input.

Adjourn meeting