



# SOUTHWEST OHIO ROCKETRY ASSOCIATION (SORA)

## LAUNCH REPORT APRIL 10, 2022

### 11:00AM TO 5:00PM NAR SECTION #624

**Launch Conditions:** Clear skies, little or no wind, temperature: low 80s

**Total Number of Launches:** 18      **Rockets Recovered:** 18

**Total Number of 100% Fully Successful Flights** (excluding simple fin breaks on landing, etc.): 15

**Success Rate:** 85%

**Number of Individuals Who Launched Their Rockets:** 5      **Number of Family/Friends/Observers:** 1

**Teams and Competitions:** 3. NARTREK Bronze: streamer duration, parachute duration, two-stage rocket

**Types and Number of Motors: 56 total**

A: 1    B: 9    C: 3    D: 0    E: 4    F: 2    G: 0    H: 0    I: 0    Higher: 0

One two-stage rocket used B6-0 going to A8-5.

**Ground Fires:** 0      **Medical Incidents:** 0      **Damage to vehicles/facilities:** 0

**Donations and drink/food sale, sale of merchandise:**

straight out donations: \$39.00

t-shirts: 0

mugs: 1 at \$9 = \$9

stickers: [2@\\$.25](#) = \$0.50

food and drinks: [3@\\$.75](#) = \$1.50

**Total: \$ 50.00**

**Rocket Topics and Issues:**

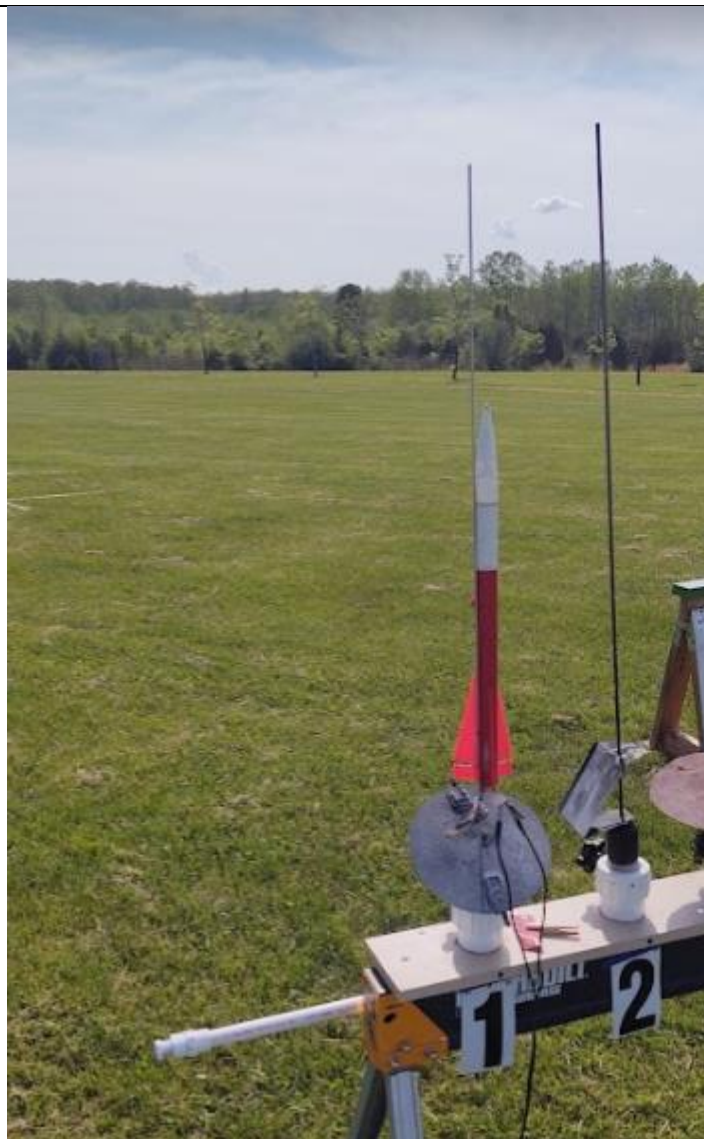
1. It was a great day for a launch with beautiful skies and no wind. The big event of the day was NARTREK Bronze Level certification attempts and successes. There were seven bronze launches with four being successful for meeting the requirements. Robb launched an Estes Alpha III for "B" motor parachute duration and passed with 1 minute 2 seconds. (Requirement: minimum 1 minute from launch to touchdown). Rick passed "B" motor parachute (1'47"), "B" motor streamer with 34.8 seconds (30 seconds minimum), and two stage rocket (Estes Sterling Silver) using "B" and "A" motors. Well done! We are looking forward to both gentlemen finishing up the bronze level in June and submitting paperwork to NAR.
2. Welcome a new member – Oliver. He launched a LOC Onyx on E30 and F23 motors both fully successful. He also used a Jolly Logic electronic chute release system successful for deployment at 300 feet and 400 feet.
3. Dave launched a beautifully detailed Amram. See photo below.

4. The launch controller was having issues with a bad soldering joint inside the unit and also bad alligator clips attaching to the main battery pack. Will work on this for the next launch.

**Next meeting:** Tuesday June 7<sup>th</sup>, meet at Lebanon Library.

**Next Launch:** Sunday, June 12<sup>th</sup>, Hisey Park

**Next Rocket Build:** TBD



**Robb streamer duration rocket ready to go.**



**Rick goes for two-stage rocket NARTREK certification**



**So sad.....What are the chances the chute would wrap around the shock cord???**



**NCR Big Brute on a F27-4R motor**



**Dave and a perfect launch!**





**Big Brute up close..**



**AMRAM and Big Daddy**

**Parting words..... "Sapientia ducet ad astra" – Wisdom/Knowledge leads to the stars**