



Post 747 & Club 707  
**Aviation Career Exploring**

<https://post747.org/index.html>

March 11, 2026

## Upcoming Meetings of Note

# MARKER FAIRE AT THE COYOTE GRANGE

*11 AM - 5 PM Saturday March 14 free admission, free parking*

- Soldering
- Rocketry
- Vacuum Forming
- Hot Glue crafting
- UV Resin Jewelry and stuff
- Soap Making
- Perler bead Pixel Art fusing
- Sewing a Glove Octopus
- Fold a Book making
- Giant Bubbles
- Robots
- Clean Energy
- Musical robots
- AI controlled Tetris
- 3D printing
- Evergreen Techatrons
- Wood Lath Projects
- New Scouting Activities

Upcoming Meetings of Note

## **YOUNG EAGLES AT REID-HILLVIEW AIRPORT**

*9 AM - 2 PM Saturday Apr 18 free admission, free parking, free flights*

- [EAA62 Young Eagles](#)
- [Free Young Eagles Flights | EAA](#)
- [Young Eagles - Wikipedia](#)



# Make sure to Sign Up

- <https://post747.org/faq.html#youth-under-18>
- We need you to be signed up to participate in the more interesting activities.
- It is all about insurance.

# Opportunities

- Come from
  - Corporations – future employees
  - State – future tax payers
- Need sufficient quantity & quality to make it worthwhile to expended resources
  - Quantity
    - Preferably 10 to 20
    - Enough to justify staffing
    - Not too much the stress facility capacity
  - Quality
    - Participants have skin in the game
    - Have learned some basic knowledge already
    - Have already demonstrated personal effort in self-learning

# Upcoming Project

- Saturday May 2, 1pm - 8pm
- East Santa Clara Street between 17th St and 21st St
- Proposed Parade Float

## Skills Being Learned

- Electrical Control Circuits
- Mechanical Control Linkages
- Prototyping
- Keeping Perfection from Stopping Progress
- Marketing - Showcraft

## Goals

- Get attention & excitement for the Post
- Recruitment
- Acquire credibility from sponsors
- Project inclusivity – audience sees themselves as being a part of the Post

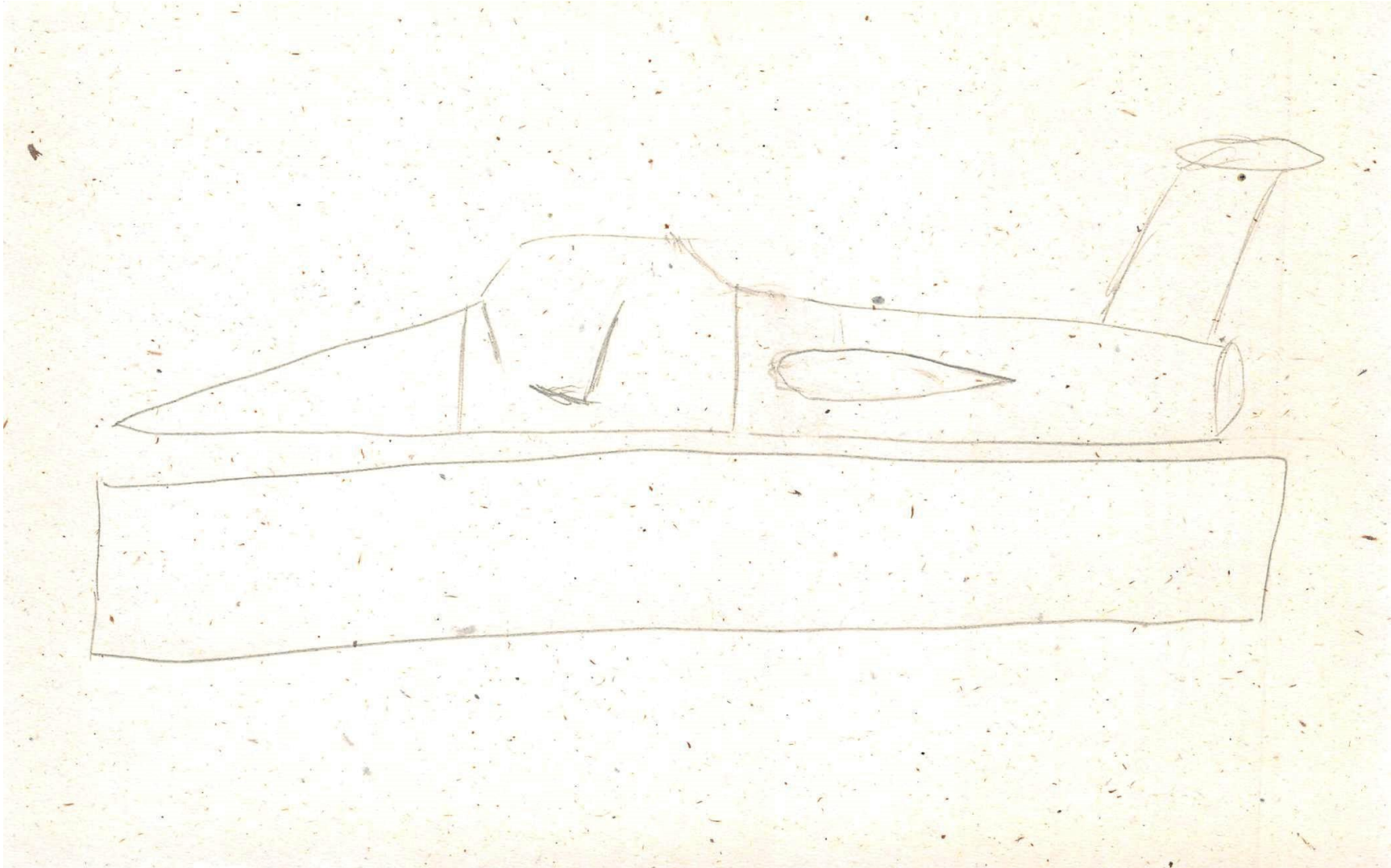
# Proposed Parade Float

- Towed strong platform on borrowed trailer
- Non-scaled model of space-plane (Battle Star Galactica Viper suggested)
- Built of thin plywood, paper mache, PVC pipe.
- Movement of control surfaces (exaggerated and numerous)
- Bright flashing lights (not totally realistic, but cool)
- Smoke (pulsed out of the exhaust)
- Sound (exhaust fan noise, short bursts of sound clips)
- Visibility (no doors to the cockpit, transparent panels showing inner workings)
- Inclusive (safe places on the float for Explorers to sit and wave to the crowd, not just the cockpit)

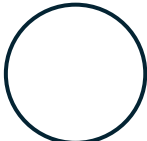
# Proposed Space Plane details

- Platform is 12 foot long and 8 foot wide.
- Space for 7 seats (1 cockpit, 2 in front, 2 on the side in front of the wings but not obstructing cockpit, 2 in the back but forward of the exhaust smoke)
- Cockpit & fuselage (engine) is 2 foot wide strong wood framed. More a flying boxcar (like a B-52) than a curvy fighter jet.
- Nose, wings and tail are the curvy lightweight paper mache that are bolted onto the strong frame and flat thin plywood interfaces.
- Tail is tee so moving control surfaces are away from “jet” exhaust.
- Wing is somewhat swept back. Each about 3 foot by 3 foot.
- Nose is 2 foot long, cockpit is 3 foot long, wing box and “engine” intake is 3 foot long, engine body is 4 foot long.
- Control surfaces will initially be moved by mechanical linkages and wire.

# Preliminary Side View



# Preliminary Top View

 = seating position

