

# *The Magnificent Mountain Men Proudly Bring You* **16<sup>th</sup> Pikes Peak Ceiling Climb**

**AMA Sanctioned Indoor Free Flight Model Airplane Contest**

***Sunday, March 27, 2022***

**Flying site is the 22' Manitou Springs High School gym, 401 El Monte Place, Manitou Springs, CO**

***Flying Hours: 9:00 a.m. to 6:00 p.m.***

**Practice & fun flying during the contest is permitted but official flights always have right-of-way. Please exercise courtesy and common sense.**

## Schedule (subject to adjustment per demand for airspace)

9:00 a.m. – 11:00 a.m.	<b>STATIC JUDGING:</b> FAC Peanut, Jet Cat Scale.
9:00 a.m. – 11:00 a.m.	<b>GLIDER ONLY:</b> AMA HLG, AMA Unlimited/Standard Catapult combined, FAC Jet Catapult Scale, Tiny Glider①. <u>No HLG/CLG/Jet Cat flying after 11:00 a.m.</u>
11:00 – 6:00 p.m.	<b>RUBBER and TOWLINE:</b> P-24 Mass Launch (12pm), FAC Peanut Scale, FAC No-Cal Scale, Bostonian 7g, Limited Pennyplane, WWII No-Cal Mass Launch②(1pm), FAC Dime Scale, FAC Phantom Flash 5g, FAC Phantom Flash 5g Mass Launch (2pm), P-18, P-18 Mass Launch (3pm), NFFS Towline Glider③, Greve/Thompson No-Cal Mass Launch④(4pm), <b>Scraps⑤, Scraps M/L (1g: 5pm, 0.5g: 5:30pm) if sufficient interest</b> , F1M, F1L, Easy B, Mini Stick, A-6, F1D. <u>NOTE: if there are enough sub 2-gram models we will announce a lightweight only window from 4:00-6:00.</u>

① Tiny Glider: Score = {total, best 2 of 9 flights} / {wingspan (inches) + 1.0}. Example: 4" span, best two flights 18.1 sec and 21.9 sec., score = {18.1 + 21.9} / {4+1} = {40}/5 = 8.00 points. No size limits. If you want to fly a 40" span glider in 'tiny glider' you may, but the handicap will really hurt you!

② All FAC rules apply plus 7" max prop diameter and minimum empty weight of 6.2 grams. Models must have correct color and markings and must have armament. Combat aircraft only.

③ Now an official NFFS event. Rules at <[www.freeflight.org](http://www.freeflight.org)>

④ All FAC rules apply except no Hosler Furies. 7" max prop diameter and minimum empty weight of 6.2 grams. Models must have correct color and markings.

⑤ **Scraps: Balsa only structure, solid motorstick and boom. Any covering. Prop must be sheet balsa, 5" max D, any shape and pitch, no VP. Best one of up to 3 flights. 2 weight classes: 1g min and 0.5g min. Adapted from: <https://www.indoorfreeflight.com/scraps.html> where you can download free plan if you need it.**

**1g models do not have to have the original flat propeller blades. All allowable mods are applicable to both classes.**

### **Other Allowable Modifications for Scraps:**

A dual thrust bearing may be used instead of a single. Any size music wire OK (no need to use paper clips.)

Wing posts can have tubes to adjust the wing incidence. Wing can be moved forward or back of the position shown on plan.

Stab may have undercamber. Any prop blade shape OK, camber and twist in the prop OK. Any dihedral OK (vee, tip, poly).

Trim the model as you see fit with rudder offset, washin, washout as needed. Use your favorite airfoils.

## **The Fine Print:**

- COVID precautions in effect: Masks worn at all times inside the building, and 6-foot distance between attendees.
- Contest Directors: Don DeLoach, [ddeloach@comcast.net](mailto:ddeloach@comcast.net) 719-964-7117 / assistant Dave Aronstein [davidaronstein@gmail.com](mailto:davidaronstein@gmail.com) 316-821-5725
- Link to AMA rules: [https://www.modelaircraft.org/sites/default/files/Indoor\\_Free\\_Flight\\_2022-2023.pdf](https://www.modelaircraft.org/sites/default/files/Indoor_Free_Flight_2022-2023.pdf)
- Link to FAC rules: <http://www.flyingacesclub.com/>
- Entry fee: Open: \$5 per event, \$10 for unlimited events. Under age 19: \$5 for unlimited events
- "Colorado Cup" Grand Champ Trophy to highest scorer in up to 5 pre-selected events (at least 1 of the 5 must be a glider event, otherwise you may choose only 4 rubber events). 5-4-3-2-1 points for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> place; 1 point deducted for each person fewer than 5 in an event. Minimum 3, 2 points for 1<sup>st</sup>, 2<sup>nd</sup> in an event, even if only one/two entered.
- Chairs provided on site. BRING TABLES.
- Sorry, no RC flying.