

## **CMMF-X: Fun Event**

This year's Carl McLawhorn Memorial Flyoff fun event will be **Classic Model**, an event intended to showcase nostalgic models from yesteryear while at the same time showcasing the craftsmanship skills of our model rocketry community. Participation is open to modelers of all ages, from A Division all the way to D Division (age classifications can be found here: [NAR Competitors](#)). Please note that this is a PSC FUN event – you do not have to be an NAR member to enter, but you do have to have a model entry that complies with the basic rules outlined below.

Prizes will be awarded for every entry.

### **Event Scope**

PSC's CMMF Classic Model event is an event that emphasizes craftsmanship while commemorating the historic legacy of model rocketry. The purpose of this friendly competition is to produce a flying replica of a classic model rocket kit.

Our annual CMMF event is held in honor of Carl McLawhorn, the founder of SEMROC Astronautics Corporation (now part of [eRockets.biz](#)) and long-time friend and supporter of PSC. The Classic Model event is open to all classic model entries meeting the requirements listed below, but participants are encouraged to enter models built from kits produced by Semroc and will be awarded a bonus of 20 points if authentic substantiating data (e.g.: the actual Semroc kit face card) is included as part of the entry's data package.

The model entered must have been available for sale as a kit prior to, and including, 1990, and the builder must provide documentation (e.g.: catalog page photocopies) to support this (**note**: a great online source for model rocket catalogs is available here: [Ninfinger Productions](#)). Classic Models that are still in production (like the Big Bertha) can be entered in this event, but models that are Semroc reproductions of classic kits (e.g.: the Semroc Orbital Transport [Semroc Orbital Transport™ KV-66](#)) are encouraged. Entries must be built and finished to represent a version of the model available for sale as a kit, as depicted in the manufacturer's catalog (**note**: reproduction decals of older kits can be found here [Tango Papa Decals](#)). The entry may be an up-scale or down-scale version of the original model, however, no Micro Maxx, including Semroc Micro Maxx, models will be accepted for judging.

Many original Semroc-produced kits can be found on eBay, and the current Semroc production can be found here [Semroc Flying Model Rocket Kits](#).

### **In Summary:**

- entries must be Classic Models (vintage 1990, or prior to 1990), and preferably produced by Semroc.
- the entered model must be finished to look like one of the Original Manufacturer's catalog versions.

- the modeler must provide documentation to substantiate this (catalog page print or photocopy).

## **Exclusions**

Models from scale kits (e.g.: any Black Brant, Little Joe II, Saturn V, etc) are specifically excluded. Entries must be from a sport flying kit.

## **Data**

The competitor must supply data to substantiate the model's adherence to shape, color, and paint pattern, as depicted by the manufacturer. Data must be derived from a catalog, package insert/face card and/or the kit's instruction sheet. Catalog photocopies or prints will be preferred.

## **Judging**

Entries will be judged for static judging points in the following manner: Reproduction qualities are to be judged from a distance of at least one meter from the model. Judges may then closely examine the model to judge it for craftsmanship.

## **Static Judging**

### **Similarity of Outline: 100 points**

The competitor is required to submit data to substantiate his/her entry's visual resemblance to the prototype.

### **Finish, Color, and Markings: 200 points**

The competitor should submit data to substantiate his/her model's fidelity to the prototype. Any entry not accompanied by data substantiating the finish, color, and markings of the prototype will be given zero points for Finish, Color and Markings.

### **Degree of Difficulty: 200 points**

Points will be awarded according to the difficulty experienced by the competitor in building the model and adapting it for flight.

To facilitate judging, the competitor should point out difficult assemblies or construction challenges in his/her data.

### **Craftsmanship: 300 points**

Points will be awarded for neatness, care in construction, craftsmanship of details, and quality of finish. Consideration should be given to the invisibility of body seams and wood grain, and the

accurate reproduction of curved lines and edges. The finish should be free of fingerprints, brush strokes, runs, or other unintentional blemishes, and the paint pattern should be well defined.

## Flight

Each entry must make a safe, stable flight. An entry that does not make a safe, stable flight will be disqualified. No points will be awarded for just a successful flight, as this is needed as a condition for qualification. No points will be deducted for flight damage.

Points will be given for flight events that replicate the original design's intended flight profile, although this will be limited to staging, glide recovery, and clusters. No points will be awarded for payloads of any kind, including electronic payloads.

Flight event scoring will be as follows:

Flight Event	Points	
2 Stage	10	
3 Stage	15	
2 Engine Cluster	10	+ 5 pts/additional engine
Glide Recovery	10	

## Scoring

Each entry's final score will be the total of the entry's static judging points plus any qualified flight points as described above. The competitor receiving the highest total score will be the top place winner in his/her division.