

*WOOSH Eat Cheese Or Fly (ECOF)*  
Jarosch Cup 2022

The Jarosch Cup is an annual competition open to WOOSH members in remembrance of beloved friend and sorely missed WOOSH rocketeer Fred Jarosch. Fred passed away (leaving his widow Darlene) shortly before the WOOSH-hosted 2009 NAR National Sport Launch at Bong. ECOF 2022 will be the 15th running of the Cup. The current holder of the Cup crafts the event. This year's event is specified, CD'd (Contest Director'd) and hosted by me, Jay Rietz. It is my hope it "Sparks Joy" with all.

One salient attribute of the RI Bong facility is its population of blood sucking creatures. Ticks and Mosquitoes are to be reckoned with; leeches not so much. But I know they're out there. So, as I specify this year's Jarosch Cup event as ***Parasite Glider Cheese Duration***, it is with a nod to some of Bong's full-time residents.

The event's primary objective is to achieve the longest time aloft of a 21 gram/.75oz Babybel Cheese ***in its commercial wrapper*** carried by a rocket-lofted parasitic glider. The ancillary objective is to score extra points by clever esthetics. The highest total score of a single flight's glide time plus any extra points will be declared the winner. The contest begins on the first day of ECOF. (Scheduled Saturday, Aug 27<sup>th</sup> 2022) It is my intent to conclude the contest and declare the winner at about Noon on the last day of the ECOF event. (Scheduled as Sunday, August 28<sup>th</sup>, 2022) An unfavorable WX forecast could lead to a one day only event, or perhaps a complete reschedule.

Rules: Babybel measures  
45mm diameter x 20 mm  
Product Weighs .75 oz

G Motor Max Impulse



Cheese Payload attached to Parasite Glider. \*

Multiple gliders are allowed, but for each flight one (and only one) Glider shall ride on and detach from the carrier rocket, then achieve a gliding flight. Perfect trim is not required, but a lawn dart = DQ. Better to stall than to lawn dart. Some may realize terrific glides by using radio control. Others, like I, may just strive for great trim and free flight.

Duration Timing per NAR glider duration practices; two neutral timers required. CD is final authority if NAR conventions conflict with spirit and intent of the CD.

3 attempts Max per entrant. Score your best flight. Multiple vehicles allowed. Return not required. CD may only provide one cheese payload per entrant. Lose the cheese on the first flight and you'll have to figure out a way to get another compliant payload if you want to make another attempt. Find out who your friends are. Heck, you can even bring your own, as long as they are 21 Gram Babybels.

Scoring: High Score Wins. One Point per second aloft.

Preflight Extra Points Available:

Art/Design of glider which pays obvious tribute to native parasites: 10 points.

Art/Design of glider best of show tribute to parasites: Double Tribute points (20 vs. 10).

The Glider submitted for preflight art judging must be the first flight attempted, but not might not be the glider that provides the best flight score for the entrant. (Depending on the zeitgeist, CD may choose to be the sole extra points judge, in which case CD shall not be best of show winner.)

\*I feel a need to define a parasite glider. The glider will be similar in operation to the classic Estes Orbital Transport, wherein the glider rides on the body of a fully functioning rocket capable of safe flight without the glider attached. An acceptable parasitic glider will not project aft of the carrier rocket when attached for flight.

Below: Acceptable.  
Rocket Carrying Parasite Glider:



No, not parasite glider, can't enter:



No, not parasite glider, can't enter.



To inspire, or perhaps provide a starting point, I've attached an edited MANTA glider drawn by my late friend Fred Williams of the Utah Rocket Club (UROC). (Sport Rocketry Mar/Apr'97) I remember when Fred upscaled a MANTA and parasite flew it on the back of his 2.6" UROC out on the Bonneville Salt Flats. I think it had about an 18-inch wingspan. For the sake of this contest, personally I might approach the contest in like fashion; using foam board to build the glider and perhaps riding on the back of a LOC Precision WIROC.

Happy designing, my friends! See you out on the runway.

Edited to show only glider for example, not for actual dimensions

