



[Sam35.org/rules](http://Sam35.org/rules)

## **MASEFIELD TROPHY**

This event is held annually, usually on the Sunday of Scale Weekend at Old Warden Aerodrome although if changes are unavoidable, an alternative date and venue will be published in SAM Speaks. The first round should begin at noon.

### **1 ELIGIBILITY:**

Any rubber powered flying scale (not so-called semi-scale or profile) model design for which the kit or plan is widely available and which is under 40" span. Scaling upwards is acceptable but not downwards. BoM: the competitor must be the builder of the model. Prospective entrants are reminded to read the general SAM Free Flight Rules, and are invited to contact the CD to clarify any details of eligibility.

### **2 FIDELITY TO ORIGINAL PLAN**

- 2.1 The model must be built true to the original plan and instructions subject to the allowed modifications in 3. Only where the drawings from which the model was built, show alternative constructional options such as undercarriage up or down, wheels or floats, is the builder free to choose. No "versions" not depicted are allowed even if there is full size photographic evidence of it . To qualify as a multi-engined model at least two propellers must be driven, either individually or from a single source.
- 2.2 Substitute materials are not allowed if the original material is still available but balsa may be used in place of obechi. No visible carbon and no foam may be employed.
- 2.3 All competitors must have available for inspection by the CD a copy of the original plan and instructions which may be reduced from the original but must be clear.

### **3 PERMITTED MODIFICATIONS**

- 3.1 Detachable [or sprung ] wings, tail, noseblock, and landing gear.
- 3.2 Enlarged nose-plug and other aids to allow the use of a winding tube. Rear pegs/tubes in place of rear rubber hooks . Reinforcing gussets at structurally weak points.
- 3.3 Repositioning of rubber anchorages.
- 3.4 Enlargement of vertical tail surfaces and of clearly inadequate tailplanes to a maximum of 25% of the wing area. This should be shown as a superimposed outline drawn by the contestant on the original plan submitted in 2.3.
- 3.5 Use of the following ready made items - airscrews, wheels, prop shafts, gears [where specified] and engine mouldings.
- 3.6 DTs
- 3.7 For twins the drive systems may be modified.

### **4 ENTRY PROCEDURE**

- 4.1 Not more than two entries may be made by each competitor. No substitution may be made during the competition. Models may be flown by only on behalf of absent owners, the proxy flier being subject to the two-model rule.
- 4.2 On entry the models and plans shall be brought to Control . The model will be examined to determine its eligibility and flight bonus qualification under 6.1 This will be agreed with the entrant and entered on the entrants score card and on Control's consolidated record board.
- 4.3 Entry Fee £3.00

## 5 FLYING PROCEDURE

- 5.1 All flights must be completed within the round periods specified by the CD. Each round flight time must be reported to the CD before the end of the round. Failure to do so will result in a zero score for that round.
- 5.2 Round 1 will consist of three flights, the best time to count as the time for that round. Round 2 will consist of two flights the best to count. Round 3 will consist of one flight only.
- 5.3 The competitor will provide a timekeeper who will record all official flights. The max for each flight shall be 60 seconds subject to slight reduction by the CD if conditions dictate. Any number of attempts under 10 seconds may be ignored. Times will be to the nearest completed second.

## 6 SCORING METHOD

- 6.1 To the sum of the three official flight times will be added that time multiplied by the sum of up to 4 bonuses as follows:

<u>Characteristic</u>	<u>Bonus</u>
<b>Wingspan</b>	
Under 20 inch	40%
20 to under 30 inch	20%
30inch and over	Nil
<b>Mainplanes</b>	
Two or more	20%
Low wing monoplane (thrust line above theupper surface of wing)	10%
<b>Watercraft</b>	
Flying boat or amphibian (main hull for occupantsor load waterborne.)	40%
Floatplanes	20%
Multi engined (model having two or more driven airscrews with thrust-lines off the aircraft's centre line.)	50%,

- 6.2 In the event that after computing their scores two or more entrants tie for first or second place, a fly-off will be conducted simultaneously to decide the final order. This fly-off shall be conducted with the same models as were used in the competition flights and shall be without limit. The appropriate bonuses being applied to the flight times to decide the final result .

- 6.3 The bonus percentages listed above will be reviewed every three years. At least six months' notice of any changes will appear here.

## 7 Awards:

Winner:	The Masfield Brittonia Trophy 1st place trophy (permanent)
Runner Up:	2 nd place certificate
Third	3 rd place certificate.

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