SPORT SCALE JUDGING FORM

Modeler Name Jim Bassham

NAR #: 89038 Contest Division: A B (C) Team: _____

Prototype: Honest John

Qualification Checklist

- [x] NAR number, team number or name on model
- [x] Minimum documentation: prototype drawing or photo
- [x] Resembles complete rocket, missile or space vehicle in a configuration that flew (no missing lower stages unless vehicle flew without). Amateur rockets must be of obvious historical importance.
- [ ] N/A If Peanut Scale, no more than 30 cm long or no more than 2 cm in diameter.
- [ ] N/A If Giant Scale, at least 100 cm long or at least 10 cm in diameter, or girth measured around significant outer assemblies is at least 51.4 cm or wing span plus length at least 100 cm.
- [x] Exterior of model must be flight-ready (dummy nozzles removed and transparent fins installed, etc.)

Modeler cannot receive points until above requirements are met. **Static Qualified:** JJH

Similarity of Outline

Accuracy of shape judged from1 meter (40"), checked against data provided by modeler.

Nose: 35 /40 Fins: 40 /40 Tubes: 30 /30 Transitions: 20 /30

Major details: 30 /30 Other: 20 /30

Extra Set of L. Lugs. No Nozzle detail in spin motors

Similarity of Outline Score: 175 /200

Finish, Color, and Markings

Accuracy judged from 1 meter (40"), checked against data provided by modeler. (if no color data, score is zero).

Correct colors: 70 /70 Accurate Pattern: 70 /70 Decals & markings: 50 /60

Decal up-side down

Finish, Color, and Markings: 190 /200

Degree of Difficulty

Judged up close, referring to modeler-provided notes

Complexity of basic structure: 20 /40 Complexity of detail and painting: 20 /60

Degree of Difficulty: 40 /100

Craftsmanship

Craftsmanship judged up close. Construction 80 /100 Surface prep 60 /100 Finish 80 /100

Some grain visible "Fuzzies" in rear fin indent. sanding marks & uneven fillets around spin motors unfilled body spirals. Minor paint spatter

Craftsmanship Score: 220 /300

Static Score

Total Similarity of Outline, Finish, Color, and Markings; Difficulty and Craftsmanship Scores.

Total Static Score: 625 /800

Mission

Start from zero. Add points for successful in-flight functions if documented as representative of prototype flight. See revised Mission Points Worksheet to calculate points.

Mission Score: Flight 1 0 /200 **Flight 2** N/A /200

General Flight

Deduct points for flight problems.

#1 Flight 50 /50 Damage 45 /50 #2 Flight N/A /50 Damage N/A /50

General Flight Score: Flight 1 95 /100 **Flight 2** N/A /100

Flight Score

Add Mission Score to General Flight Score

Total Flight Score: Flight 1 95 /300 **Flight 2** N/A /300

Final Score

Add Total Static Score to better of two Total Flight Scores.

Final Sport Scale Score 720 /1100

5120

SPORT SCALE JUDGING FORM

Modeler Name Pacific Flying Machines

NAR #: T-736 Contest Division: A B C ~~Team~~: 736

Prototype: Astrobee D

Qualification Checklist

- ☑ NAR number, team number or name on model
- ☑ Minimum documentation: prototype drawing or photo
- ☑ Resembles complete rocket, missile or space vehicle in a configuration that flew (no missing lower stages unless vehicle flew without). Amateur rockets must be of obvious historical importance.
- ☐ N/A If Peanut Scale, no more than 30 cm long or no more than 2 cm in diameter.
- ☐ N/A If Giant Scale, at least 100 cm long or at least 10 cm in diameter, or girth measured around significant outer assemblies is at least 51.4 cm or wing span plus length at least 100 cm.
- ☑ Exterior of model must be flight-ready (dummy nozzles removed and transparent fins installed, etc.)

Modeler cannot receive points until above requirements are met.

Static Qualified: JSH

Similarity of Outline

Accuracy of shape judged from1 meter (40"), checked against data provided by modeler.

Nose: 40 /40 Fins: 40 /40 Tubes: 38 /40 Transitions: N/A /___

Major details: 40 /40 Other: 35 /40

Tube break in Motor tube
Extra (non-scale) Launch Lugs

Similarity of Outline Score: 193 **/200**

Finish, Color, and Markings

Accuracy judged from 1 meter (40"), checked against data provided by modeler. (if no color data, score is zero).

Correct colors: 70 /70 Accurate Pattern: 70 /70 Decals & markings: 60 /60

Finish, Color, and Markings: 200 **/200**

Degree of Difficulty

Judged up close, referring to modeler-provided notes

Complexity of basic structure: 20 /40 Complexity of detail and painting: 50 /60

Degree of Difficulty: 70 **/100**

Craftsmanship

Craftsmanship judged up close. Construction 90 /100 Surface prep 80 /100 Finish 85 /100

Some "shop wear" from previous flights
Minor spirals & rough prep.

Craftsmanship Score: 255 **/300**

Static Score

Total Similarity of Outline, Finish, Color, and Markings; Difficulty and Craftsmanship Scores.

Total Static Score: 718 **/800**

Mission

Start from zero. Add points for successful in-flight functions if documented as representative of prototype flight.
See revised Mission Points Worksheet to calculate points.

Mission Score: Flight 1 50 **/200 Flight 2** N/A **/200**

General Flight

Deduct points for flight problems.

#1 Flight 50 **/50** Damage 49 **/50** #2 Flight ___ **/50** Damage ___ **/50**

General Flight Score: Flight 1 99 **/100 Flight 2** N/A **/100**

Flight Score

Add Mission Score to General Flight Score

Total Flight Score: Flight 1 149 **/300 Flight 2** N/A **/300**

Final Score

Add Total Static Score to better of two Total Flight Scores.

Final Sport Scale Score 867 **/1100**

SPORT SCALE JUDGING FORM

Modeler Name Alex Parks

NAR #: 83713 Contest Division: (A) B C Team: _____

Prototype: D-region Tomahawk

Qualification Checklist

- ☑ NAR number, team number or name on model
- ☑ Minimum documentation: prototype drawing or photo
- ☑ Resembles complete rocket, missile or space vehicle in a configuration that flew (no missing lower stages unless vehicle flew without). Amateur rockets must be of obvious historical importance.
- ☐ N/A If Peanut Scale, no more than 30 cm long or no more than 2 cm in diameter.
- ☐ N/A If Giant Scale, at least 100 cm long or at least 10 cm in diameter, or girth measured around significant outer assemblies is at least 51.4 cm or wing span plus length at least 100 cm.
- ☑ Exterior of model must be flight-ready (dummy nozzles removed and transparent fins installed, etc.)

Modeler cannot receive points until above requirements are met.

Static Qualified: JJH

Similarity of Outline

Accuracy of shape judged from1 meter (40"), checked against data provided by modeler.

Nose: 35 /40 Fins: 40 /40 Tubes: 20 /30 Transitions: 28 /30

Major details: 25 /30 Other: 30 /30

Nose ogive a little long
Non-scale break in motor tube
Nice detail on Payload screws

Similarity of Outline Score: 178 /200

Finish, Color, and Markings

Accuracy judged from 1 meter (40"), checked against data provided by modeler. (if no color data, score is zero).

Correct colors: 70 /70 Accurate Pattern: 70 /70 Decals & markings: 30 /60

Finish, Color, and Markings: 170 /200

Degree of Difficulty

Judged up close, referring to modeler-provided notes

Complexity of basic structure: 20 /40 Complexity of detail and painting: 50 /60

Degree of Difficulty: 70 /100

Craftsmanship

Craftsmanship judged up close. Construction 90 /100 Surface prep 80 /100 Finish 80 /100

unfilled spirals
some slop on screw head paint

Craftsmanship Score: 250 /300

Static Score

Total Similarity of Outline, Finish, Color, and Markings; Difficulty and Craftsmanship Scores.

Total Static Score: 668 /800

Mission

Start from zero. Add points for successful in-flight functions if documented as representative of prototype flight. See revised Mission Points Worksheet to calculate points.

Mission Score: Flight 1 0 /200 **Flight 2** N/A /200

General Flight

Deduct points for flight problems.

#1 Flight 50 /50 Damage 39 /50 #2 Flight ___ /50 Damage ___ /50

General Flight Score: Flight 1 89 /100 **Flight 2** N/A /100

Flight Score

Add Mission Score to General Flight Score

Total Flight Score: Flight 1 89 /300 **Flight 2** N/A /300

Final Score

Add Total Static Score to better of two Total Flight Scores.

Final Sport Scale Score 757 /1100

SPORT SCALE JUDGING FORM

Modeler Name [illegible]

NAR #: 85755 Contest Division: A B (C) Team: _____

Prototype: Pershing 1

Qualification Checklist

- ☑ NAR number, team number or name on model
- ☑ Minimum documentation: prototype drawing or photo
- ☑ Resembles complete rocket, missile or space vehicle in a configuration that flew (no missing lower stages unless vehicle flew without). Amateur rockets must be of obvious historical importance.
- ☐ N/A If Peanut Scale, no more than 30 cm long or no more than 2 cm in diameter.
- ☐ N/A If Giant Scale, at least 100 cm long or at least 10 cm in diameter, or girth measured around significant outer assemblies is at least 51.4 cm or wing span plus length at least 100 cm.
- ☑ Exterior of model must be flight-ready (dummy nozzles removed and transparent fins installed, etc.)

Modeler cannot receive points until above requirements are met. **Static Qualified:** JJH

Similarity of Outline

Accuracy of shape judged from1 meter (40"), checked against data provided by modeler.

Nose: 30 /40 Fins: 40 /40 Tubes: 30 /30 Transitions: 25 /30

Major details: 30 /30 Other: 25 /30

Missing splice joints on Nose
No surface details (shown on doc).

Similarity of Outline Score: 180 /200

Finish, Color, and Markings

Accuracy judged from 1 meter (40"), checked against data provided by modeler. (if no color data, score is zero).

Correct colors: 70 /70 Accurate Pattern: 70 /70 Decals & markings: 0 /60

No decals or other markings

Finish, Color, and Markings: 140 /200

Degree of Difficulty

Judged up close, referring to modeler-provided notes

Complexity of basic structure: 25 /40 Complexity of detail and painting: 10 /60

Degree of Difficulty: 35 /100

Craftsmanship

Craftsmanship judged up close. Construction 85 /100 Surface prep 70 /100 Finish 60 /100

Some Spirals still visible, minor grain
Paint sags, brush hairs (eyelashes?)

Craftsmanship Score: 215 /300

Static Score

Total Similarity of Outline, Finish, Color, and Markings; Difficulty and Craftsmanship Scores.

Total Static Score: 570 /800

Mission

Start from zero. Add points for successful in-flight functions if documented as representative of prototype flight.
See revised Mission Points Worksheet to calculate points.

Mission Score: Flight 1 70 /200 **Flight 2** N/A /200

General Flight

Deduct points for flight problems.

#1 Flight 50 /50 Damage 35 /50 #2 Flight N/A /50 Damage N/A /50

General Flight Score: Flight 1 85 /100 **Flight 2** N/A /100

Flight Score

Add Mission Score to General Flight Score

Total Flight Score: Flight 1 155 /300 **Flight 2** N/A /300

Final Score

Add Total Static Score to better of two Total Flight Scores.

Final Sport Scale Score 725 /1100

SPORT SCALE JUDGING FORM

Modeler Name Paul Pittenger

NAR #: 27104 Contest Division: A B (C) Team: _____

Prototype: Sandia Sand Hawk

Qualification Checklist

- ☑ NAR number, team number or name on model
- ☑ Minimum documentation: prototype drawing or photo
- ☑ Resembles complete rocket, missile or space vehicle in a configuration that flew (no missing lower stages unless vehicle flew without). Amateur rockets must be of obvious historical importance.
- ☐ N/A If Peanut Scale, no more than 30 cm long or no more than 2 cm in diameter.
- ☐ N/A If Giant Scale, at least 100 cm long or at least 10 cm in diameter, or girth measured around significant outer assemblies is at least 51.4 cm or wing span plus length at least 100 cm.
- ☑ Exterior of model must be flight-ready (dummy nozzles removed and transparent fins installed, etc.)

Modeler cannot receive points until above requirements are met.

Static Qualified: JJH

Similarity of Outline

Accuracy of shape judged from1 meter (40"), checked against data provided by modeler.

Nose: 40/40 Fins: 40/40 Tubes: 30/40 Transitions: ___/N/A

Major details: 35/40 Other: 40/40

Non-scale launch lugs

Similarity of Outline Score: 185/200

Finish, Color, and Markings

Accuracy judged from 1 meter (40"), checked against data provided by modeler. (if no color data, score is zero).

Correct colors: 65/70 Accurate Pattern: 70/70 Decals & markings: 0/60

Finish, Color, and Markings: 135/200

Degree of Difficulty

Judged up close, referring to modeler-provided notes

Complexity of basic structure: 20/40 Complexity of detail and painting: 45/60

Degree of Difficulty: 65/100

Craftsmanship

Craftsmanship judged up close. Construction 90/100 Surface prep 50/100 Finish 60/100

Basically good job. Several masking issues

Craftsmanship Score: 200/300

Static Score

Total Similarity of Outline, Finish, Color, and Markings; Difficulty and Craftsmanship Scores.

Total Static Score: 585/800

Mission

Start from zero. Add points for successful in-flight functions if documented as representative of prototype flight. See revised Mission Points Worksheet to calculate points.

Mission Score: Flight 1 50/200 **Flight 2** N/A/200

General Flight

Deduct points for flight problems.

#1 Flight 50/50 Damage 50/50 #2 Flight N/A/50 Damage N/A/50

General Flight Score: Flight 1 100/100 **Flight 2** N/A/100

Flight Score

Add Mission Score to General Flight Score

Total Flight Score: Flight 1 150/300 **Flight 2** N/A/300

Final Score

Add Total Static Score to better of two Total Flight Scores.

Final Sport Scale Score 735/1100