

Scale Staffel FAC Squadron #41 AMA chapter 915

Founded to encourage and advance the hobby of building and flying free-flight scale and sport airplanes.

Club Officers

President

John Hutchinson (619) 303-0785

Vice President

Bob Overcash (619) 579-2174

Treasurer

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Annual Dues: None

Fee: None, except we need your e-mail address. E-mail it to the editor.

Newsletter Editor

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(Layout graciously supplied by my wife, Ann Hoff Scott)



"WESTFACIV"

by John Hutchison

President's Column:

WESTFAC IV, July 4 Joint Contest and the Aug 3-4 Scale Staffel contest are now history. WESTFAC IV at Perris, CA was a wonderful contest. It was a magnificent event and great to see old friends and competitors. The much-advertised twin mass-launch went off with great success with Bob Hodes from Nevada winning the prize. Don DeLoach of Colorado drove away with Grand Champion honors. The weather was perfect and the food vendor was great...at least for the first two days. Some confusion had us "food-less" on the third day. Roger Willis' wife, Blanca, jump to the rescue and quickly drove over to the nearest Subway Sandwich shop and saved the day by bringing lunch back to the starving flyers. The Orange Empire Railroad Museum was a marvelous venue for the scale judging and the banquet. The food was great and our flyers had the chance to support a spectacular museum. There were over 200 free model kits distributed to the banquet attendees.

The weather was perfect for the July 4th contest, however, attendance was low. Scale Staffel is upping the ante for 2014. Next year there will be cash awards. \$100 for 1st place in Walt Mooney 2X Peanut, \$100 for Peanut Scale (any peanut), and prizes for 2nd and 3rd. Later this year, I will discuss my ideas about changing the judging procedure. And, of course, we will have the usual hotdogs and goodies. Stay tuned!

The Scale Staffel Aug 3-4 Contest at Otay Mesa was well attended and the weather was outstanding. There were 11 events, 15 flyers and 56 models entered and a whole lot of official flights. After the contest was completed it was determined that George Mansfield and Bob Hodes only need one more win for a Blue Max. John Donelson and John Merrill are closing in on 'um.

Don't forget out Indoor Flying Events at Grossmont College Gym. We are scheduled for the first Sunday of the month for the remainder of 2013. Be there!

Build! Fly! And have fun!

LLFF! (Long Live Free Flight!)

John Hutchison

- From the Editor ———

The date: April 24, 2013; the location: Perris, California; the event: WestFAC IV. But wait, this is not really the start, I have to go back to the beginning for the whole story.

It was in the last half of 2012 when John H. came back from Geneseo NY and was telling me about how most of the contest winners were flying twins. It was about that time I decided it was time to build my first twin.

In August of 2012 after getting advice from some of the guys on www.hippocketaeronautics.com, I started my twin, Chris Starleaf's De Havilland Dash 8. I was able to build for about a month before I had to put model building on the back burner.

But in late February I found the time to build again. I figured if I could spend 30 minutes, five days a week from now till the event I might be able to get it close to at least showing the model. 50 days and twenty seven hours later. I only had 90% of the bones completed.

Oh boy! Not only did I not have a twin, but as I looked around the garage I discovered I only had one plane ready to go. I was so embarrassed, I even thought of not showing up. I mean, this was the west coast's event of the year. This is where champions come to fly and sharpen their skills. Should I really show up with only a single model? And it wasn't a scale model it was a Moth with no DT. Where did those 18 months plus go? What a newbie! I was emotionally down.

Some how, I convinced myself I should go. What is the worse that could happen? At the very least, I would be there to support the group. I took Wednesday off from work and drove up to see the scale judging and to take photos. These guys were happy to be together, check out each other's building skills, tell stories and give advice to anyone that wanted to listen. I had great time and wish I could have taken the next two days off of work to absorb it all.

I was able to attend Saturday, the last day of the event. I flew my Moth. A lot of people there thought I was crazy to fly a Moth with no DT. It never flew out of site, which I have heard they have been known to do, but it caused me to take some very long walks. I had a great time looking at all of the models again, some were not in their best condition anymore, and some had even flown away. There were new stories to listening to and of course the closing banquet. If you are ever wondering if you should attend a WestFAC contest I would highly recommend it.

William Scott

Editor

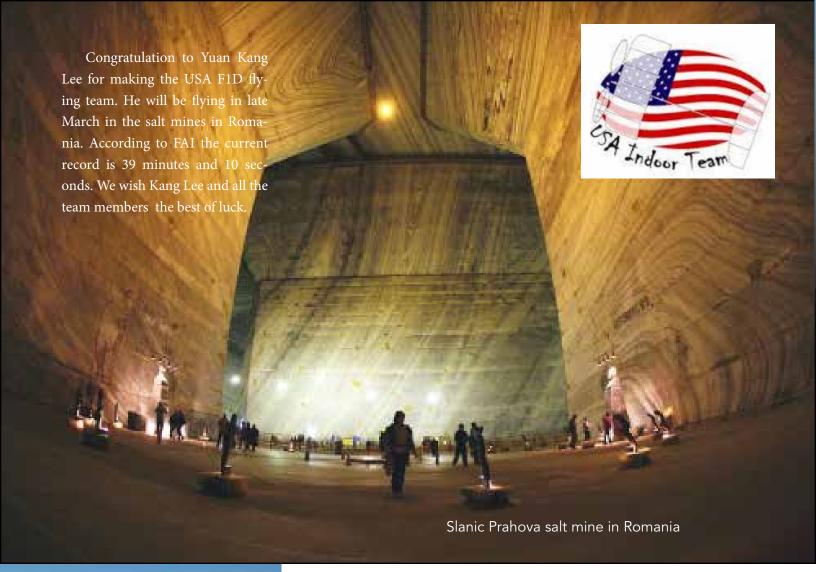
INDOOR CONTEST

The first Sunday of every month Grossmont college 8800 Grossmont College Drive In the big gym park in lot "C" Gym opens at 7:30 am

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Cover Photo

John Merrill launching his Gollywock Photo by Arlene Bartick.



-Corrections

In the previous issue:

Mike Jester should have been noted as the author of "Building the FAC Moth" article.

———— CALENDAR OF REGULAR EVENTS ————

EVENTS FOR THE SAN DIEGO AREA

- Scale Staffel www.scalestaffel.org Indoor contest, First Sunday of every month Grossmont College gym Outdoor contest, Nov. 9 and 10 see flier on page 23.
- San Diego Orbiteers www.sandiegoorbiteers.com

Sept. 27-29 US FF Championship, Lost Hills

Jimmy Allen all three days

Saturday: mass launches 7:30 a.m. Gollywock, 9:30 a.m.

twin pushers,

10:30 a.m. WWII mass launch

Sunday mass launch 9 a.m. compressed air,

10 a.m. Greve's Thompson

• 17th SouthWest FAI Challenge

Oct. 26 & 27 Boulder City NV, contacts Bill Booth or Bob Beecroft, booth@boothsuarez.com or TheAeroSmith@roadrunner.com



WEST FACIV

Bv William Scott

What a wonderful event. If you have never been to a WestFAC contest you need to get yourself to one. The folks that put this together did a great job. Only being able to attend two days of this four day event, there were still lots of opportunities for me to visit with other builders, look at their models and watch them fly.

If you are new to building scale flying models then try to attend during the judging it is a great time to see what other people have done and ask how they accomplished a particularly difficult tasks. As a newbie to building flying model and being even a newer newbie to building scale flying models. There are many intimidating transitions, going from a long rectangular fuselage such as a One Night 28 to a round keel fuselage, such as the Grumman Wildcat. But once you ask the question, 'how do you build that?' And hear the answer, 'build the second side of the fuselage using a shoebox where the first side fits inside of the shoebox.' It all starts to come together and the difficult becomes simple and very soon you will find that it is you sharing the building tips.

If you are wondering what to build next; then come about an hour before any of the mass launch contest begin. There were nine mass launches at this event. This will be the time when the contestants are doing their final prepping of their airplanes. A lot of them are more then willing to tell you stories about how easy or hard their plane was to build, trim and rebuild. Whether it's a WWI biplane, a different colored Wildcat from WWII or something less well known from the Thompson or Greve Air Races, it seems like there is a builder that has built it and brought it to show, to fly and to talk about. Come visit us at the next WestFAC and see why we all love doing this.

WestFAC IV Kanone Report

Compiled by George Mansfield

FAC WESTFAC 4: KANONE REPORT	FAC CLUB NAME	Scale St	affel Mode	el Airplane	Club		CONTI	EST DATE	4/24-28	/2013
CONTEST DIRECTOR	: John Hutchison	Ema	il address	: johnhutcl	nison1@co	x.net		SQU	ADRON#	41
<u> </u>										
TOTAL NUMBER OF FLYERS IN EACH EVENT INDICA	ATED IN PARENTHESES									
Mass Launch Event			TOTA	AL FLIGHT SEC		ਜ			FAC M	EMREE
EVENT: WW 1 Combat (9 entries)	FLIGHT	TIMES OR HE		OR ML EVENT	-		SCALE	7	TACIN	T Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORE		POINTS	TOTAL	PLACE	N
Don DeLoach	Bristol Scout	63	61	98					1	Υ
Herb Kothe	Fokker D7	56	65	62					2	Y
Clint Brooks	SE5Aa	31	28	12					3	Y
Orv Olm	Fokker D7	46	18						4	Y
Mark Chomyn Bob Hodes	Fokker D7 SE5Aa	18 14	4					1	5 6	Y
John Merrill	Fokker D7	8							7	Y
John Hutchison	Fokker D7	7							8	Ÿ
John Alling	Nieuport	3							9	Y
	•	·		•	•	_	•	•		
Mass Launch Event	=		TOTA	AL FLIGHT SEC	ONDS OR BES	Т		_	FAC M	EMBER
EVENT: WW 2 Combat (9 entries)		1		OR ML EVENT			SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1 07	2	3	FACTORE	POINTS	POINTS	TOTAL	PLACE	N
Mike Mulligan	KI-61 Tony	87	124	140					1	Y
Don DeLoach Herb Kothe	F4U Corsair Yak-3	80 87	97 125	2					3	Y
Orv Olm	Grumman TBF Avenger	46	48						4	Y
Mark Chomyn	Grumman F6F Hellcat	28	38		+	+	<u> </u>	+	5	T Y
John Alling	Grumman F4F Wildcat	26	17						6	Y
Bob Hodes	Yak-3	11							7	Y
John Merrill	P51 Mustang	9							8	Y
Mitch Schoonejanes	P51 Mustang	4							9	Y
						_				
Mass Launch Event	7			AL FLIGHT SEC	_		1	7	FAC M	EMBER
EVENT: WW2 Mediteranean (6)				OR ML EVENT			SCALE			Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORE	POINTS	POINTS	TOTAL	PLACE	N
John Donelson	KE 2005 P39	103	74	-					1 2	Y
Tom Arnold Mitch Schoonejanes	ME109E	63 38	1	+			1	+	3	Y
Don DeLoach	P47	138	0						4	Y
Phil Thomas	Macchi 2005	9	 						5	Ÿ
John Merrill	P39	8							6	Υ
				•	•	•	•	•		
Mass Launch Event			TOTAL	FLIGHT SECO	UDG OD DEGT			Г	FAC MEM	DED2
EVENT: Battle of Midway (10)	TIGHT T	IMES OR HEA		R ML EVENTS		BONUS	SCALE	L	TACIVILIV	Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
John Donelson	Guardian	70	68	56	THOTOTILE				1	Y
Bob Hodes	Grumman F6F Hellcat	39	63	49					2	Y
									3	Y
Don Smith	Zero	24	36	38						Υ
Don Smith Don DeLoach	Grumman Bearcat	72	120	38 9					4	
Don DeLoach Herb Kothe	Grumman Bearcat Vindicator	72 144	120 184	38 9 0					5	Y
Don DeLoach Herb Kothe Orv Olm	Grumman Bearcat Vindicator Grumman TBF Avenger	72 144 62	120 184 152	38 9					4 5 6	Y
Don DeLoach Herb Kothe Orv Olm John Merrill	Grumman Bearcat Vindicator Grumman TBF Avenger Zero	72 144 62 17	120 184 152 23	38 9 0					4 5 6 7	Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat	72 144 62 17 50	120 184 152	38 9 0					4 5 6 7 8	Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes	Grumman Bearcat Vindicator Grumman TBF Avenger Zero	72 144 62 17	120 184 152 23	38 9 0					4 5 6 7	Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero	72 144 62 17 50 4	120 184 152 23	38 9 0					4 5 6 7 8 9	Y Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero	72 144 62 17 50 4	120 184 152 23 2	38 9 0	NDS OR BEST				4 5 6 7 8 9	Y Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7)	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A	72 144 62 17 50 4	120 184 152 23 2	38 9 0 0	NDS OR BEST SCALE FLT	BONUS	SCALE		4 5 6 7 8 9	Y Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T	72 144 62 17 50 4 2	120 184 152 23 2 TOTAL	38 9 0 0 FLIGHT SECO		BONUS	SCALE POINTS	TOTAL	4 5 6 7 8 9	Y Y Y Y Y Y N
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME Herb Kothe	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T MODEL Miles Magister	72 144 62 17 50 4 2	120 184 152 23 2 TOTAL T ROUNDS FC 2 94	38 9 0 0 FLIGHT SECO R ML EVENTS 3 131	SCALE FLT		-	TOTAL	4 5 6 7 8 9 10 FAC MEM	Y Y Y Y Y Y N N
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME Herb Kothe Don DeLoach	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T MODEL Miles Magister DH-94	72 144 62 17 50 4 2 IMES OR HEA 1 114 101	120 184 152 23 2 TOTAL T ROUNDS FO 2 94 85	38 9 0 0 FLIGHT SECO R ML EVENTS 3 131 89	SCALE FLT		-	TOTAL	4 5 6 7 8 9 10 FAC MEM PLACE 1 2	Y Y Y Y Y Y Y Y Y Y Y Y Y Y N Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME Herb Kothe Don DeLoach Bob Hodes	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T MODEL Miles Magister DH-94 Miles Magister	72 144 62 17 50 4 2 IMES OR HEA 1 114 101 41	120 184 152 23 2 TOTAL T ROUNDS FO 2 94 85 44	38 9 0 0 FLIGHT SECO R ML EVENTS 3 131	SCALE FLT		-	TOTAL	4 5 6 7 8 9 10 FAC MEM PLACE 1 2 3	Y Y Y Y Y Y Y Y Y Y Y Y N Y Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME Herb Kothe Don DeLoach Bob Hodes Phil Thomas	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T MODEL Miles Magister DH-94 Miles Magister Dewotine 520DC	72 144 62 17 50 4 2 IMES OR HEA 1 114 101 41 39	120 184 152 23 2 TOTAL T ROUNDS FO 2 94 85	38 9 0 0 FLIGHT SECO R ML EVENTS 3 131 89	SCALE FLT		-	TOTAL	4 5 6 7 8 9 10 FAC MEM PLACE 1 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME Herb Kothe Don DeLoach Bob Hodes Phil Thomas Tom Arnold	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T MODEL Miles Magister DH-94 Miles Magister Dewotine 520DC Dornier 335 Trainer	72 144 62 17 50 4 2 IMES OR HEA 1 114 101 41 39 29	120 184 152 23 2 TOTAL T ROUNDS FO 2 94 85 44	38 9 0 0 FLIGHT SECO R ML EVENTS 3 131 89	SCALE FLT		-	TOTAL	4 5 6 7 8 9 10 FAC MEM PLACE 1 2 3 4 5 5	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
Don DeLoach Herb Kothe Orv Olm John Merrill Tom Arnold Mitch Schoonejanes Fernando Ramos Mass Launch Event EVENT: Low Wing Mil. Trainer (7) CONTESTANT'S FULL NAME Herb Kothe Don DeLoach Bob Hodes Phil Thomas	Grumman Bearcat Vindicator Grumman TBF Avenger Zero Grumman F6F Hellcat Zero F2A FLIGHT T MODEL Miles Magister DH-94 Miles Magister Dewotine 520DC	72 144 62 17 50 4 2 IMES OR HEA 1 114 101 41 39	120 184 152 23 2 TOTAL T ROUNDS FO 2 94 85 44	38 9 0 0 FLIGHT SECO R ML EVENTS 3 131 89	SCALE FLT		-	TOTAL	4 5 6 7 8 9 10 FAC MEM PLACE 1 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y

Mass Launch Event	_		TOTAL	FLIGHT SECO	NDS OR BEST	<u> </u>			FAC ME	EMBE
EVENT: Double Trouble (4)	FLIGHT 1	TIMES OR HEAT	FROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE] Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Bob Hodes	DH Hornet	38	32						1	Y
Fernando Ramos	OV-10	28	19						2	1
Tom Arnold	Bristol Beaufighter	11	7						3	1
John Merrill	P82	5							4	1
Mana Laurah Evant		1				I		1		<u> </u>
Mass Launch Event EVENT: Thompson Trophy (4)	1 540473	 IMES OR HEAT		FLIGHT SECO	1	BONUS	SCALE	l	FAC ME] \ EMBE
CONTESTANT'S FULL NAME	MODEL	IMES OR HEAT	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	ı
John Donelson	Lockheed Altair	44	84	J	FACTORED	FUINTS	FUINTS	TOTAL	1	+
Bob Hodes	Cessna CR-3	64	83						2	١,
Phil Thomas	SEV-3	24	7						3	١.
Don DeLoach	Cessna CR-2	11	,						4	-
BOTT BOLLOUGH	OCOONIA OTT Z							!		
					.					+
Fernando Ramos	Chambermaid	45	70	55		——			4	
Herb Kothe	Chambermaid	95	3			<u>_</u>			5	
Don DeLoach	Bonzo	63	3						6	
Phil Thomas	Jack Rabbit	40							7	-
Bob Hodes	Chambermaid	38							8	
Mark Chomyn	Mr. Smoothie	27							9	L
Judged Scale Event		!	TOTAL	FLIGHT SECO	NDS OR BEST			ľ	FAC ME	EME
EVENT: Rubber Scale (7 entries)	FLIGHT 1	ו TIMES OR HEAT	ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE	L		1
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	1
Clint Brooks	DH Tiger Moth	61	30	120	82.5	15	62.5	160.0	1	
Don DeLoach	F4U Corsair	74	120		82.5	10	60.5	153.0	2	
Mike Mulligan	Kawasaki Hein	102	120		82.5	10	44.0	136.5	3	
John Alling	Rearwin Speedster	58	83		71.5		47.5	119.0	4	
George Mansfield	Miles M5	87			73.5	10	34.6	118.1	5	
Clint Brooks	SE5a	46			46	15	62.5	123.5		
Clint Brooks	Stampe SV-46	34	24	33	34	15	60.0	109.0		
Judged Scale Event		1	TOTAL	FLIQUE 0F00	NDO OD DEOT	I		1	FAC ME	
EVENT: Power Scale (4 entries)	ELIGHT 1	ا TIMES OR HEAT		FLIGHT SECO		BONUS	SCALE	ļ	FAC IVIE	
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	+
Fernando Ramos	Miles Magister	120		J	120	10	55.5	185.5	1	╁
	Fairey Barracuda Prototype	120			120	5	57.5	182.5	2	\vdash
		58	33	74	74	5	59	138.0		╁
John Donelson Fernando Ramos	Bristol MID			14	7.4		00	100.0		_
Fernando Ramos	Bristol MID	30								
Fernando Ramos	Bristol MID	36		N FLIGHT SEC	ONDS OR BES	╗			FACI	ЛEV
Fernando Ramos Judged Scale Events - single entry	_	•	TOTA		ONDS OR BES		SCALE	1	FAC N	MEN
Fernando Ramos Judged Scale Events - single entry EVENT: Two events, miscellaneous	FLIGHT	TIMES OR HE	TOTA AT ROUNDS F	OR ML EVENT	S SCALE FLT	BONUS	SCALE	TOTAL		
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT	FLIGHT	TTIMES OR HE.	TOTA AT ROUNDS F	OR ML EVENT	S SCALE FLT	BONUS	POINTS	TOTAL	FAC N	
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale	FLIGHT MODEL Nesmith Cougar	1 1 39	TOTA AT ROUNDS F 2 67	3 80	S SCALE FLT FACTORED 70	BONUS POINTS	POINTS 62.5	132.5		
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT	FLIGHT	TTIMES OR HE.	TOTA AT ROUNDS F	OR ML EVENT	S SCALE FLT	BONUS	POINTS	400 -		
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale	FLIGHT MODEL Nesmith Cougar	1 1 39	TOTA AT ROUNDS F 2 67	3 80	S SCALE FLT FACTORED 70	BONUS POINTS	POINTS 62.5	132.5	PLACE	E .
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event	FLIGHT MODEL Nesmith Cougar	1 1 39	TOTA AT ROUNDS F 2 67 69	3 80 77	S SCALE FLT FACTORED 70	BONUS POINTS	POINTS 62.5	132.5		E .
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4)	MODEL Nesmith Cougar Heinkel V2 Racer	1 1 39	TOTA AT ROUNDS F	3 80 77 FLIGHT SECO	S SCALE FLT FACTORED 70 68.5	BONUS POINTS 10 BONUS	POINTS 62.5 50.5	132.5	PLACE	<u> </u>
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT	1 1 39 58 TIMES OR HEAT 1	TOTAL T ROUNDS F	3 80 77	S SCALE FLT FACTORED 70 68.5	BONUS POINTS 10	POINTS 62.5 50.5	132.5 129.0	PLACE	E .
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid	1 1 39 58 TIMES OR HEAT 1 1 120	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76	3 80 77 FLIGHT SECOR ML EVENTS 3	FACTORED 70 68.5 NDS OR BEST SCALE FLT	BONUS POINTS 10 BONUS	POINTS 62.5 50.5	132.5 129.0 TOTAL 196	FAC ME	EME
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7	1 1 39 58 TIMES OR HEAT 1 120 44	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47	3 80 77 FLIGHT SECO	FACTORED 70 68.5 NDS OR BEST SCALE FLT	BONUS POINTS 10 BONUS	POINTS 62.5 50.5	132.5 129.0 TOTAL 196 173	FAC ME PLACE 1 2	EMB
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe	1 1 39 58 TIMES OR HEAT 1 120 44 29	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47 45	3 80 77 FLIGHT SECOR ML EVENTS 3	FACTORED 70 68.5 NDS OR BEST SCALE FLT	BONUS POINTS 10 BONUS	POINTS 62.5 50.5	TOTAL 196 173 74	PLACE PLACE 1 2 3	EMB
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7	1 1 39 58 TIMES OR HEAT 1 120 44	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47	3 80 77 FLIGHT SECOR ML EVENTS 3	FACTORED 70 68.5 NDS OR BEST SCALE FLT	BONUS POINTS 10 BONUS	POINTS 62.5 50.5	132.5 129.0 TOTAL 196 173	FAC ME PLACE 1 2	EMB
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell John Merrill	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe	1 1 39 58 TIMES OR HEAT 1 120 44 29	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47 45 6	3 80 77 FLIGHT SECOR ML EVENTS 3	S SCALE FLT FACTORED 70 68.5 NDS OR BEST SCALE FLT FACTORED	BONUS POINTS 10 BONUS	POINTS 62.5 50.5	TOTAL 196 173 74	PLACE FAC ME PLACE 1 2 3 4	EMB
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell John Merrill Scale "Total of 3 Flights" Event	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe Aeronca LC	TIMES OR HEAT 1 120 44 29 8	TOTAL AT ROUNDS F 2 67 69 TOTAL T ROUNDS FC 2 76 47 45 6	SOR ML EVENT 3 80 77 FLIGHT SECO R ML EVENTS 3 82 FLIGHT SECO	S SCALE FLT FACTORED OBS.5 NDS OR BEST SCALE FLT FACTORED	BONUS 10 BONUS POINTS POINTS	POINTS 62.5 50.5 SCALE POINTS	TOTAL 196 173 74	PLACE PLACE 1 2 3	EME
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell John Merrill Scale "Total of 3 Flights" Event EVENT: Modern Military (4)	FLIGHT MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe Aeronca LC	TIMES OR HEAT 1 39 58 TIMES OR HEAT 1 120 44 29 8	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47 45 6	OR ML EVENT 3 80 77 FLIGHT SECO R ML EVENTS 3 82 FLIGHT SECO R ML EVENTS	S SCALE FLT FACTORED OBS.5 NDS OR BEST SCALE FLT FACTORED NDS OR BEST SCALE FLT SCALE FLT	BONUS 10 BONUS POINTS BONUS POINTS BONUS BONUS	POINTS 62.5 50.5 SCALE POINTS	TOTAL 196 173 74 14	PLACE PLACE 1 2 3 4	EME
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell John Merrill Scale "Total of 3 Flights" Event EVENT: Modern Military (4) CONTESTANT'S FULL NAME	FLIGHT MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe Aeronca LC FLIGHT MODEL	TIMES OR HEAT 1 120 44 29 8	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47 45 6 TOTAL T ROUNDS FO 2 2 7 6 47 45 6	FLIGHT SECONDR ML EVENTS 80 77 FLIGHT SECONDR ML EVENTS 82 FLIGHT SECONDR ML EVENTS 3 82	S SCALE FLT FACTORED OBS.5 NDS OR BEST SCALE FLT FACTORED	BONUS 10 BONUS POINTS POINTS	POINTS 62.5 50.5 SCALE POINTS	TOTAL 196 173 74 14	PLACE FAC ME PLACE 1 2 3 4 FAC ME	EME
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell John Merrill Scale "Total of 3 Flights" Event EVENT: Modern Military (4) CONTESTANT'S FULL NAME Don DeLoach	MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe Aeronca LC FLIGHT MODEL FLIGHT	TIMES OR HEA 1 39 58 TIMES OR HEA 1 120 44 29 8	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 47 45 6 TOTAL T ROUNDS FO 2 76 47 45 6	FLIGHT SECONDR ML EVENTS 82 FLIGHT SECONDR ML EVENTS 3 FLIGHT SECONDR ML EVENTS 3 91	S SCALE FLT FACTORED OBS.5 NDS OR BEST SCALE FLT FACTORED NDS OR BEST SCALE FLT SCALE FLT	BONUS 10 BONUS POINTS BONUS POINTS BONUS BONUS	POINTS 62.5 50.5 SCALE POINTS	TOTAL 196 173 74 14 TOTAL 329	PLACE PLACE 1 2 3 4 FAC ME	EME
Judged Scale Events - single entry EVENT: Two events, miscellaneous CONTESTANT'S NAME / EVENT Orv Olm / High Wing Peanut Scale Mike Mulligan / Jumbo Scale Scale "Total of 3 Flights" Event EVENT: Dime Scale (4) CONTESTANT'S FULL NAME Don DeLoach Orv Olm Lee Campbell John Merrill Scale "Total of 3 Flights" Event EVENT: Modern Military (4) CONTESTANT'S FULL NAME	FLIGHT MODEL Nesmith Cougar Heinkel V2 Racer FLIGHT MODEL Chambernmaid Fokker D7 Comet Monocoupe Aeronca LC FLIGHT MODEL	TIMES OR HEAT 1 120 44 29 8	TOTAL T ROUNDS FO 2 67 69 TOTAL T ROUNDS FO 2 76 47 45 6 TOTAL T ROUNDS FO 2 2 7 6 47 45 6	FLIGHT SECONDR ML EVENTS 80 77 FLIGHT SECONDR ML EVENTS 82 FLIGHT SECONDR ML EVENTS 3 82	S SCALE FLT FACTORED OBS.5 NDS OR BEST SCALE FLT FACTORED NDS OR BEST SCALE FLT SCALE FLT	BONUS 10 BONUS POINTS BONUS POINTS BONUS BONUS	POINTS 62.5 50.5 SCALE POINTS	TOTAL 196 173 74 14	PLACE FAC ME PLACE 1 2 3 4 FAC ME	EMB

Scale "Total of 3 Flights" Event		TOTAL FLIGHT SECONDS OR BEST							FAC ME	MBER?
EVENT: Golden Age Civ/Mil (6)	FLIGHT 1	IMES OR HEAT	T ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Herb Kothe	Taylorcraft	120	101	120				341	1	Y
Don DeLoach	DH-94	89	29	120				238	2	Y
Bob Hodes	Taylorcraft	45	68	65				178	3	Y
Mark Chomyn	Aeronca Champ	43	81	50				174	4	Y
Orv Olm	DH Tiger Moth	51	47	45				143	5	Y
John Alling	Rearwin Speedster	58				·		58	6	Y

Non-Scale "Total of 3 Flights" Event		TOTAL FLIGHT SECONDS OR BEST							FAC ME	EMBER?
EVENT: 2-Bit + 1 (5 entries))	FLIGHT T	TIMES OR HEAT	T ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Herb Kothe	Flying Aces Moth	100	109	120				329	1	Y
Roger Willis	Flying Aces Moth	78	105	89				272	2	Y
Don Smith	RFC Trainer	62	62	53				177	3	Y
Rod Persons	Jimmie Allen Skokie	66	30	80				176	4	Y
William Scott	Flying Aces Moth	29	52	90				171	5	Y

Non-Scale "Total of 3 Flights" Event		TOTAL FLIGHT SECONDS OR BEST							FAC ME	MBER?
EVENT: O.T. Rubber Fuselage (4)	FLIGHT T	FLIGHT TIMES OR HEAT ROUNDS FOR ML EVENTS SCALE FLT BO			BONUS	SCALE			Υ	
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Herb Kothe	Wren	120	120	120				360	1	Y
Don DeLoach	BA Cabin	120	120	106				346	2	Y
Jim Sprenger	Convertable	120	120	85				325	3	Y
Mark Chomyn	BA Cabin	120						120	4	Y

Non-Scale "Total of 3 Flights" Event			TOTAL	FLIGHT SECO	NDS OR BEST				FAC ME	MBER?
EVENT: Old Time Rubber Stick (6)	FLIGHT ⁻	TIMES OR HEA	ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Don DeLoach	Red Buzzard	120	120	120	Fly off:	172 sec		360	1	Y
Herb Kothe	Gollywock	120	120	120				360	2	Y
Mark Chomyn	Gollywock	120	68	108				296	3	Y
John Merrill	Gollywock	120	63	57				240	4	Y
Steve Higginson	Gollywock	115	120		•			235	5	Y
Lee Campbell	Gollywock	66	78					144	6	Y

Non-Scale "Total of 3 Flights" Event					NDS OR BEST				FAC ME	:MBER?
EVENT: Jimmie Allen (7 entries)	FLIGHT TIMES OR HEAT ROUNDS FOR ML EVENTS SCALE FLT				BONUS	SCALE			Υ	
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Don DeLoach	BA Cabin	120	120	119				359	1	Y
Bob Hodes	Skokie	120	120	117				357	2	Y
Herb Kothe	BA Cabin	115	120	119				354	3	Y
Rod Persons	Skokie	43	65	120				228	4	Y
Fernando Ramos	Sky Chief	120	41					161	5	Y
John Merrill	BA Cabin	76	29	47				152	6	Y
Mark Chomyn	Jimmie Allen Special	57	36	32				125	7	Y

Non-Scale "Total of 3 Flights" Event		TOTAL FLIGHT SECONDS OR BEST						FAC ME	MBER?	
EVENT: Embryo Endurance (10)	FLIGH	HT TIMES OR HEA	T ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Herb Kothe	Go Devil	120	120	120		9		369	1	Υ
Don DeLoach	Embryomatic	120	95	120		9		344	2	Υ
Jim Sprenger	Prairie Bird	118	120	70		9		317	3	Υ
George Mansfield	Debut	91	58	120		9		278	4	Y
John Merrill	Debut	80	54	64		9		207	5	Υ
Roger Willis	Debut	62	38	84		9		193	6	Υ
Mark Chomyn	Hornet	31	46	66				143	7	Y
Bob Hodes	GR Special	65	37	40				142	8	Υ
Steve Higginson	Prairie Birtd	55	73	11				139	9	Y
Rod Persons	Jimmie Allen Special	35	41	36				112	10	Y

By the Numbers: 19 Actual Events Flown 115 Models Flow in Events 31 Official Flier Entries



April 24-27 WestFAC Contest

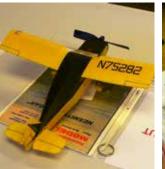
Photographed by Arlene Bartick



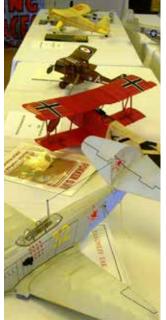












































































































Truth or Urban Myth?

By William Scott

I'm not sure how long people were judging model airplanes today or how many beers were had at the restaurant right across the street from the hotel, but it was enough for the stories to come out.

My favorite is:

Did you hear about R. Smith out in the Midwest? (The name and actual flying location have been changed to protect the innocent.) His plane was stalling on the trim flights. He had put in as much down thrust as he could and was running out of clay for weight. Then someone suggested a small piece of metal might get him to the weight he needed, something small like a key. R. Smith pulled out his keys and after checking the CG with a variety of different keys he found one that seem to be the correct weight. He secure the key with a rubber band and wound for his next flight. It was not a great launch but the corrected CG made the difference; the plane made a wonderful right turn. As the rubber motor was winding out, it flew straight for a little bit then caught a little up draft and started to circle. Another little bump up, and it floated and drifted a little bit this and then that way, all the while it just kept climbing. Pretty soon, R. Smith was having trouble seeing his airplane.

He ran to his mechanic and asked if he could still see the plane. The mechanic responded yes but it was getting hard because it was so small and getting closer to the sun. Then suddenly the mechanics yelled, "It's gone! It was so small that when I blinked it disappeared."

A very sad moment for R. Smith, but also triumphant at the same time. R. Smith had built a plane that could fly away!

Too bad it had his car key attached to it...

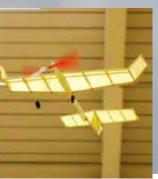


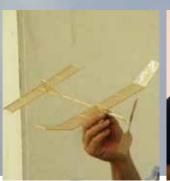


June 2 Indoor































Indoor at Grossmont College Gym: Penny Plane

CD: Larry Miller Rules: Best 2 flights of 6

Contestants Fligh	ts 1	2	3	4	5	6	Place
Richard Woods		223	96	313	312		1
John Hutchison	89	269	50	47	47	251	2
Greg Hutchison	164	176	219	212	234	54	3
Larry Miller	150	198	240	139	48	48	4
Don Bartick	67	40	218	218	53	36	5
Mark Chomyn	171	160	188	166	180	176	6

Come be part of a global flying contest!

Welcome to the 22nd Annual Worldwide Postal. The reason it's called a postal is, in the past, everyone would send in their flight times to the CD via the post office. And for those of you that love technology please feel free to use the very acceptable term E-postal. This year the contest is a non-judged scale contest, there are three categories. High Wing, Low Wing and Biplane.

Here are the rules.

This contest is being held via the honor systems, and is intended to generate fun and enthusiasm for the sport of scale free flight.

The finished plane must have a wing span of 22" or less.

The plane must be free flight, rubber powered.

The plane must be listed below. There will be no scale judging even though the planes listed below are scale planes.

We will accept 5 official flights, flights of less then 20 seconds do not count. The flights may occur anytime between now and June 30, 2014. And do not have to be taken on the same day. Your flight times must be e-mailed to Caley, the CD, no later then midnight on June 30, 2014, PST.

Scoring will be as follows: Five flights: throw out the lowest and highest times add the remaining three together to get your total. Here is an example. The five flight times are 62, 68,120, 140, 180. The CD would through out 62 and 180 add the remaining would give you a score of 328.

When your five flights have been recorded please e-mail them to Caley at caleyannhand@ yahoo.com with a subject line of "22nd AWWP times" with a short paragraph about yourself, some details about the day(s) you flew and a photo of you and the plane(s) or just the plane(s). Please limit your photos to 400K jpg's

The planes are High Wing: Pilatus Porter Low Wing: P-40

Biplane: Antonov AN2

Any version of the plane is acceptable.

There are plans for each of the airplanes at the end of this newsletter the size may need to be adjust to fit the less then 22" wing span requirements.

For more information you can visit www.hippocketaeronautics.com

Click on "Builders' forum", scroll down to "Outdoor Free Flight Forum" click on "Free Flight Scale" scroll down and click on "Worldwide Free Flight Postal Scale Builds"

Good luck to you all!

Walter Mooney 4th of July Contest

Compiled by William Scott

Peanut Scale	Rule: Three	flights
--------------	-------------	---------

		Flights 1	2	3	total	Place
Contestants	plane					
Mark Chomyn	Old Ironsides	22	29	22	73	2
Bob Overcash	Andreason	13			13	3
David Sagliano	Peanut Found	65	39	31	135	EDRAL1
John Oldendkamp	Fike "D"	8			8	4

Embryo/Bostonian Rule: Three flights

		Flights 1	2	3	total	Place
Contestants	plane					
William Scott	Prairie Bird	39	34	61	134	
John Merril	DeBut	93	94	90	277	1
Mark Chomyn	Hornet	37	43	34	114	
Mike Jester	Prairie Bird (red whi	te and blue)				
McPykecny	Prairie Bird	49	54	101	204	4
David Sagliano	Boston Speedster	62	91	120	273	2
David Sagliano	Boston Bullet					
John Oldendkamp	Silve Schtick	42	35	120	197	
Bob Overcash .	Tonft	42	58	43	143	
Bob Lamdon		73	56	120	249	3

2 X Peanut

		riights i		3	lotai	гіа
Contestant Plane						
Mark Chomyn	Embroer	51	53	60	164	2
John Hutchison	Huntington H-12	52	61	76	189	_1_

EVENTS: 3 FLYERS: 13 ENTRIES: 16

4th of July Walter Mooney Contest

Photographed by Arline Bartick

















August 3 and 4 Scale Staffel Contest Kanone Report

Compiled by George Mansfield

OI- OL-#-L KANONE DEDORT	EAO OLUB NAME	01-04-	#-1 M1-1 /	······	LL	1	OONTE	OT DATE	0/0 4/00	40
Scale Staffel KANONE REPORT	FAC CLUB NAME:						CONTE	ST DATE:		
CONTEST DIRECTOR:	J.Hutchison / G.Mansfield	Ema	ail address:	gmansfiel	<u>d75@gma</u>	<u>il.com</u>		SQUA	DRON#	41
TOTAL NUMBER OF FLYERS IN EACH EVENT INDICATED IN PARENTHESES										
Mass Launch Event	ss Launch Event TOTAL FLIGHT SECONDS OR BEST							FAC ME	MBER?	
EVENT: WW 1 Combat (4 entries)	FLIGHT	TIMES OR HE	AT ROUNDS FOI	R ML EVENTS	SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Bob Hodes	SE5Aa	35	30	28					1	Υ
John Alling	Nieuport II	28	33	21					2	Υ
John Merrill	Fokker D7	28							3	Υ
John Hutchison	Fokker D7	7							4	Υ
Mass Launch Event	1			LIGHT SECON					FAC ME	
EVENT: WW 2 Combat (7 entries)		TIMES OR HE	AT ROUNDS FO		SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Bob Hodes	F6F Hellcat	47	58	52					1	Y
John Alling	F4F Wildcat	19	22	28					2	Y
Don Smith	Focke Wulfe TA152	10	17	11					3	Y
John Donelson	Reggiane Re 2005	75	154						4	Y
Mark Chomyn	F6F Hellcat	36	4						5	Y
Bill Hill	F4F Wildcat	6							6	Y
John Merrill	P51B	5							7	Y
Mass Launch Event EVENT: Greve/Thompson Race (6) CONTESTANT'S FULL NAME	FLIGHT MODEL	TIMES OR HE	TOTAL F AT ROUNDS FOI 2		SCALE FLT	BONUS	SCALE POINTS	TOTAL	FAC ME	Y N
Don Smith	Chambermaid	39	61	74					1	Υ
John Donelson	Goon	54	62	67					2	Y
Roger Willis	Mr. Smoothie	39	50	53					3	Y
Bill Hill	Mr. Smoothie	44	3						4	Y
Mark Chomyn	Mr. Smoothie	32							5	Y
Bob Hodes	Cessna CR-3	2							6	Y
Judged Scale Event	TOTAL FLIGHT SECONDS OR BEST						FAC ME	EMBER?		
EVENT: Rubber Scale (11 entries)			AT ROUNDS FO		+	BONUS	SCALE	TO	DI 105	Y
CONTESTANT'S FULL NAME	MODEL	1 70	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
John Donelson	Grumman Guardian	79			69.5	5	55.1	129.6	1	Y
Bob Hodes	F6F Hellcat	47	58	52	58	5	59.6	122.6	2	Y
John Merrill	Fokker D7	43	64	32	62	15	43.9	120.9	3	Y
Roger Willis	Mr. Smoothie	37	45	52	52	5	54.4	111.4	4	
Bill Hill	Stagger Wing Beechcraft	38			38	15	55.9	108.9	5	Y
John Alling	Nieuport II	22	28	32	32	15	44.4	91.4	6	Y
David Scigliano	Piper cub	24	14	23	24	0	60.0	84.0	7	Y
*David Scigliano	Cessna 150	25	22	21	25	0	42.5	67.5		Y
*Bill Hill	Piper Cub	24	33	30	33	0	59.8	92.8		Y
*Roger Willis	USCG WACO	28	32	28	32	15	50.7	97.7		Y
* denotes extra, lower scoring entry						1				
Judged Scale Event	TOTAL FLIGHT SECO FLIGHT TIMES OR HEAT ROUNDS FOR ML EVENTS			7		I	1	FAC ME	EMBER?	
EVENT: Power Scale (1 entry)		1				BONUS	SCALE		I =. ·	Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N

Fairey Barracuda

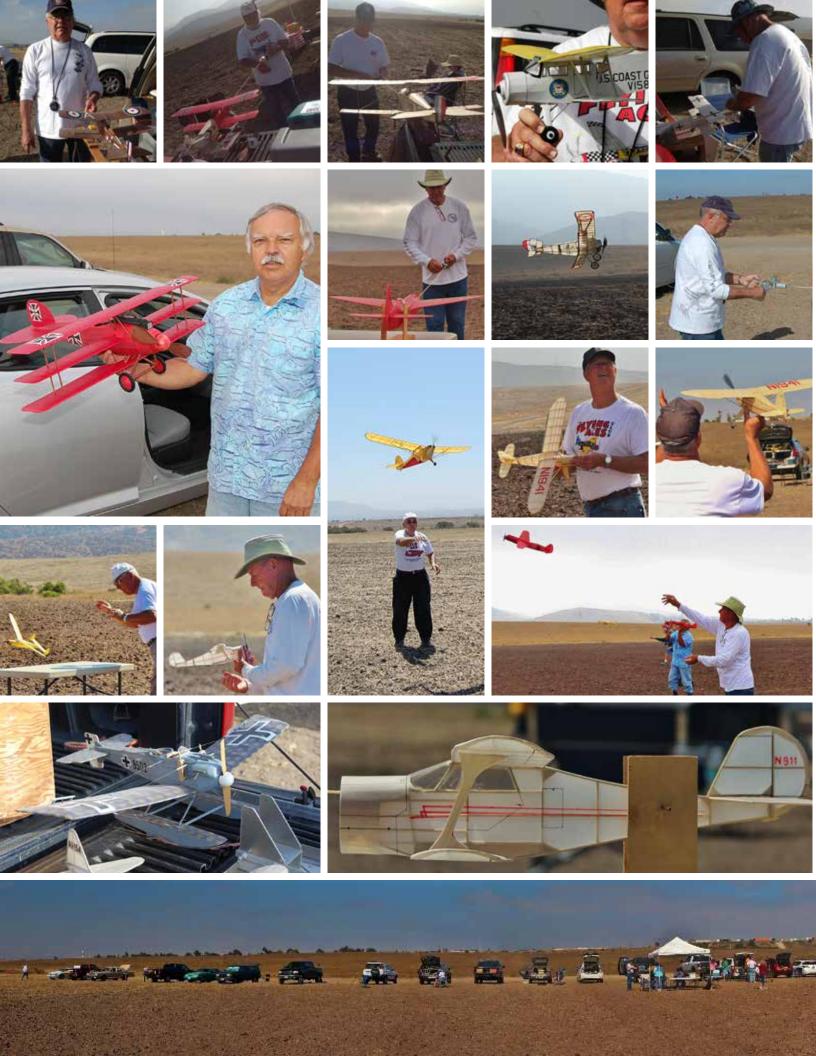
John Donelson

Judged Cools, Event			TOTAL 5		100 00 0507				FACAGE	MDEDO
Judged Scale Event	TOTAL FLIGHT SECONDS OR BEST FLIGHT TIMES OR HEAT ROUNDS FOR ML EVENTS SCALE FLT				ı	FAC ME	MBER?			
EVENT: Jumbo Scale (1 entry)						BONUS	SCALE			Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Don Smith	Aeronca	15	22		22	0	53.8	75.8	1	Y
Scale "Total of 3 Flights" Event				LIGHT SECON	- 1			i	FAC ME	
EVENT: Golden Age Civ/Mil (5)		TIMES OR HEA	AT ROUNDS FO		SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
John Alling	Rearwin Speedster	89	103	120				312	1	Y
Mike Jester	Fairchild 24	43	50	54				147	2	Y
Don Smith	Taylor Cub	27	62	45				134	3	Y
Mark Chomyn	Aeronca	40	41	52				133	4	Y
David Scigliano	Curtis Robin	27	17	21				65	5	Y
Non-Scale "Total of 3 Flights" Even	<u>t</u>		TOTAL F	LIGHT SECON	NDS OR BEST			_	FAC ME	:MBER?
EVENT: 2-Bit + 1 (5 entries))	FLIGHT	TIMES OR HEA	AT ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE			Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Bill Hill	Flying Aces Moth	74	38	53				165	1	Y
Don Smith	RFC Trainer	58	68	34				160	2	Y
Mike Jester	Flying Aces Moth	42	34	65				141	3	Y
Mark Chomyn	Chieftan	27	75	24				126	4	Υ
William Scott	Flying Aces Moth	43	27	27				97	5	Υ
'										
Non-Scale "Total of 3 Flights" Even	<mark>t</mark>		TOTAL F	LIGHT SECON	NDS OR BEST				FAC ME	MBER?
EVENT: Jimmie Allen (3 entries)	FLIGHT	TIMES OR HEA	AT ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE			Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Roger Willis	BA Cabin	92	88	120				300	1	Υ
Bob Hodes	Skokie	120						120	2	Υ
John Merrill	BA Cabin	18						18	3	Υ
		,		•						
Non-Scale "Total of 3 Flights" Even	t	TOTAL FLIGHT SECONDS OR BES							FAC ME	MBER?
EVENT: Embryo Endurance (6)	FLIGHT	TIMES OR HEA	AT ROUNDS FO	R ML EVENTS	SCALE FLT	BONUS	SCALE		-	Υ
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
John Merrill	Debut	120	120	120		9		369	1	Y
Mark Chomyn	Hornet	42	91	120		9		262	2	Y
Don Smith	Miss Worlds Fair	54	71	66		9		200	3	Y
Don Bartick	Don't Know	28	58	61		9		156	4	Υ
William Scott	Prairie Bird	6	42	48		9		105	5	Υ
Frank Allen	Some Kinda Box	38	27	20		9		94	6	Υ
	1		ļ.		-					
Non-Scale "Best 3 of 6 " Event (7)			TOTAL F	LIGHT SECON	NDS OR BEST				FAC ME	MBER?
EVENT: Phantom Flash (7)	FLIGHT	TIMES OR HEA	AT ROUNDS FO		-	BONUS	SCALE	1		1 _Y
CONTESTANT'S FULL NAME	MODEL	1	2	3	FACTORED	POINTS	POINTS	TOTAL	PLACE	N
Don Bartick	Phantom Flash	120	36	120	. ACTORED	1 011110	1 011110	276	1	Y
Bill Hill	Phantom Flash	13	43	112				168	2	Y
John Merrill	Phantom Flash	102	26	23				151	3	Ÿ
William Scott	Phantom Flash	57	37	7				101	4	Ÿ
Bob Hodes	Phantom Flash	92	<u> </u>	•				92	5	Ÿ
Mark Chomyn	Phantom Flash	30	24	28				82	6	Ÿ
Mike Jester	Phantom Flash	28	17	10				55	7	Ÿ
mino ocater	i namoni i asii	20		10					,	<u></u>
				-						

By the Numbers:

Events: 11
Flyers: 15
Models entered: 56

Flyers:	Frank	Allen			
	John	Alling			
	Don	Bartick			
	Mark	Chomyn			
	John	Donelson			
	Bill	Hill			
	Robert	Hodes			
	John	Hutchison			
	Mike	Jester			
	John	Merrill			
	Dave	Scigliano			
	William	Scott			
	Don	Smith			
	Jim	Sprenger			
	Roger	Willis			



































San Diego Stalle Staffel

Outdoor Flying Contest

Saturday and Sunday, Nov. 9 and 10, 2013, 7 a.m. to 12:30 p.m.

Scamps Flying Field, Perris CA

Events Prizes

Awards for first to third place. First place trophies for WWI and WWII Combat. *

Fees

\$8 for contest including entry for one event, \$3 for each additional event, \$20 maximum to cover contest entry and 5 to 11 events

Contest Directors

George Mansfield

gmansfield75@gmail.com phone (858) 453-3857

John Hutchison

johnhutchison1@cox.net phone (619) 303-0785

Awards Presentation

Immediately following the contest's final gun on Sunday

Hotel Accommodations

★ Perris Hotel 480 S. Redlands Ave, 92570 (Less than 2 miles from the flying field)

(951) 943-5577

Hampton Inn & Suites 12611 Memorial Way, Moreno Valley, CA 92154 (Less than 12 miles from the flying field)

(951) 571-7788

★ As of 9/4/13 the Perris Hotel is under going renovations and should reopen in early Oct.

Pilot's Meeting: 8 a.m. on both days

Lunch is at the flier option for both days

FAC Single Model Events

Fly any event on either day, but all flights for a given event must be flown on the same day

- 1. FAC Rubber Scale
- 2. FAC Power Scale (90 second max)
- 3. FAC Embryo Endurance (ROG)
- 4. FAC Jimmie Allen (ROG)
- 5. FAC 2-Bit(+1) Rubber (ROG)
- 6. FAC Phantom Flash (ROG)
- 7. FAC Golden Age Civil Scale
- 8. FAC Jumbo Scale

Mass Launch Events Saturday

9. FAC World War 1 Combat: Wind at 8:20 a.m., Launch at 8:30 a.m.

10. FAC World War II Combat: Wind at 9:20 a.m., Launch at 9:30 a.m.

Sunday

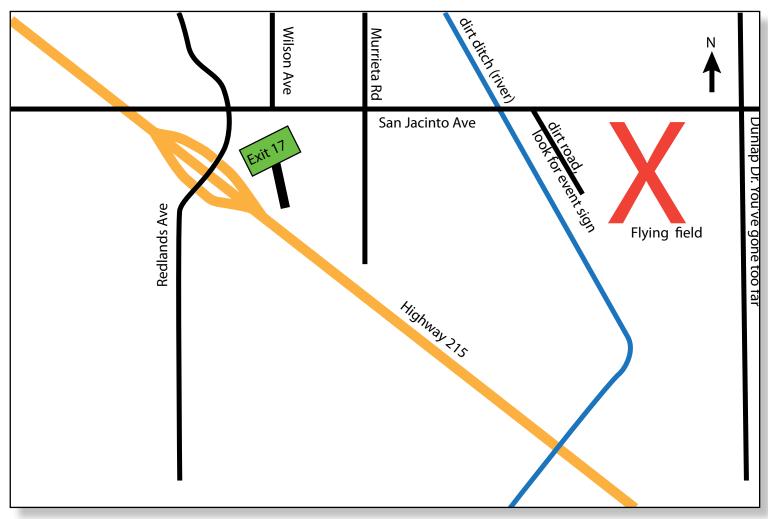
11. Double Trouble (Twins)
Wind at 8:20 a.m., Launch at 8:30 a.m.

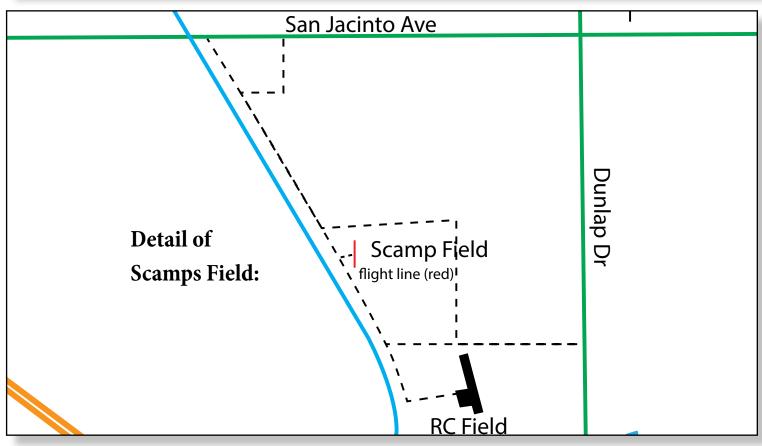
12. FAC Greve/Thompson Race: Wind at 9:20 a.m., Launch at 9:30 a.m.

*Earn points towards your GRAND CHAMPIONSHIP. This contest's scores coupled with those of the contest held in August 2013 will determine our annual Grand Champion. The trophy will be presented after the November event to the flier who garners the most 1st to 3rd place points in our two 2013 contests.

Scamps Flying Field, Perris CA

Nov 9 and 10, 2013





Perris CA - Possible Places for lunch

Nov 9 and 10, 2013

A. Sizzler 91 W Nuevo Rd, Perris, CA (951) 940-4021 3.7 ****

12 reviews \$

B. Jenny's Family Restaurant 1675 N Perris Blvd, Perris, CA (951) 657-2945

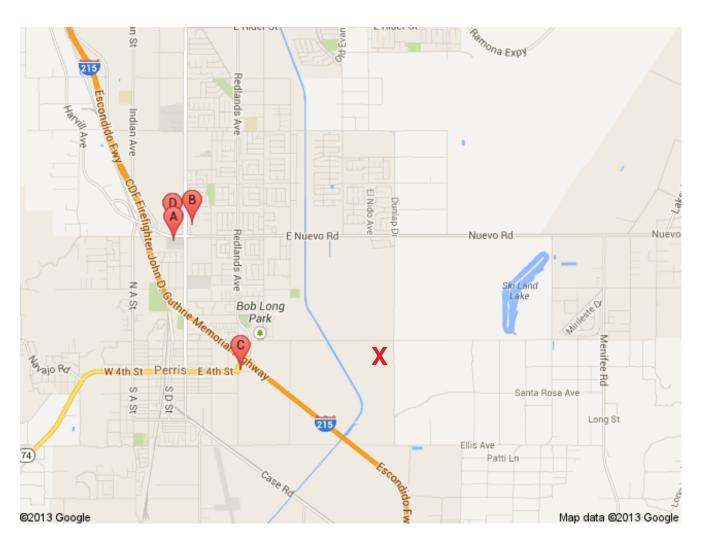
3.9 *** 21 reviews \$\$

C. Denny's 570 E 4th St, Perris, CA (951) 657-1123 2.9 *** 13 reviews \$

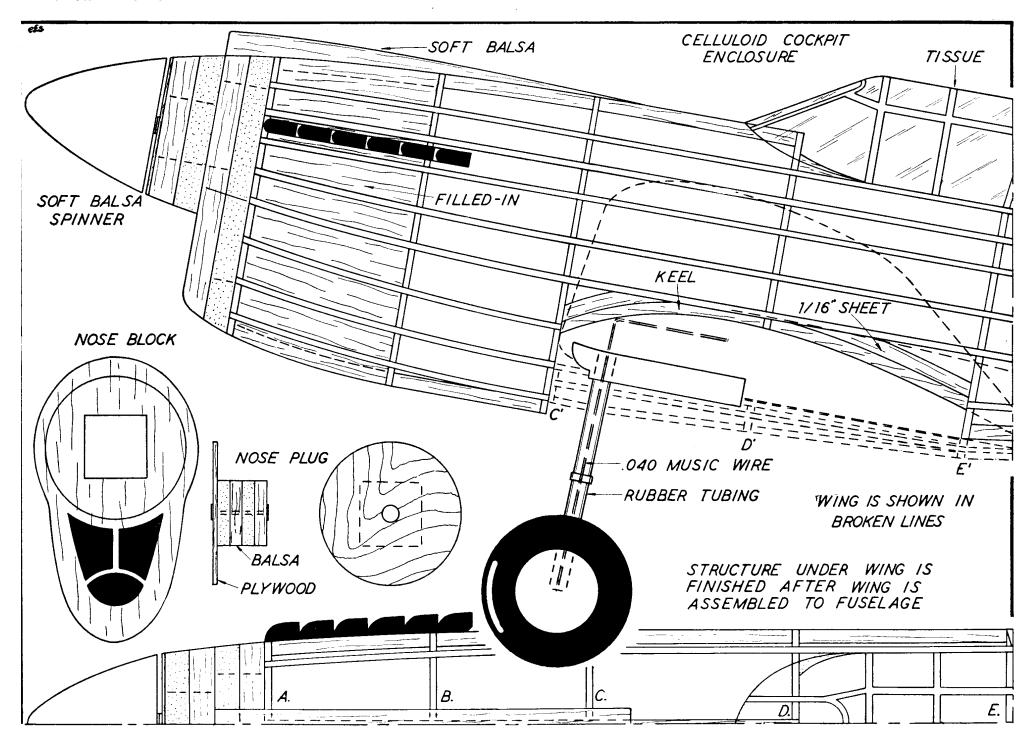
D. IHOP 1688 N Perris Blvd, Perris, CA (951) 943-1844

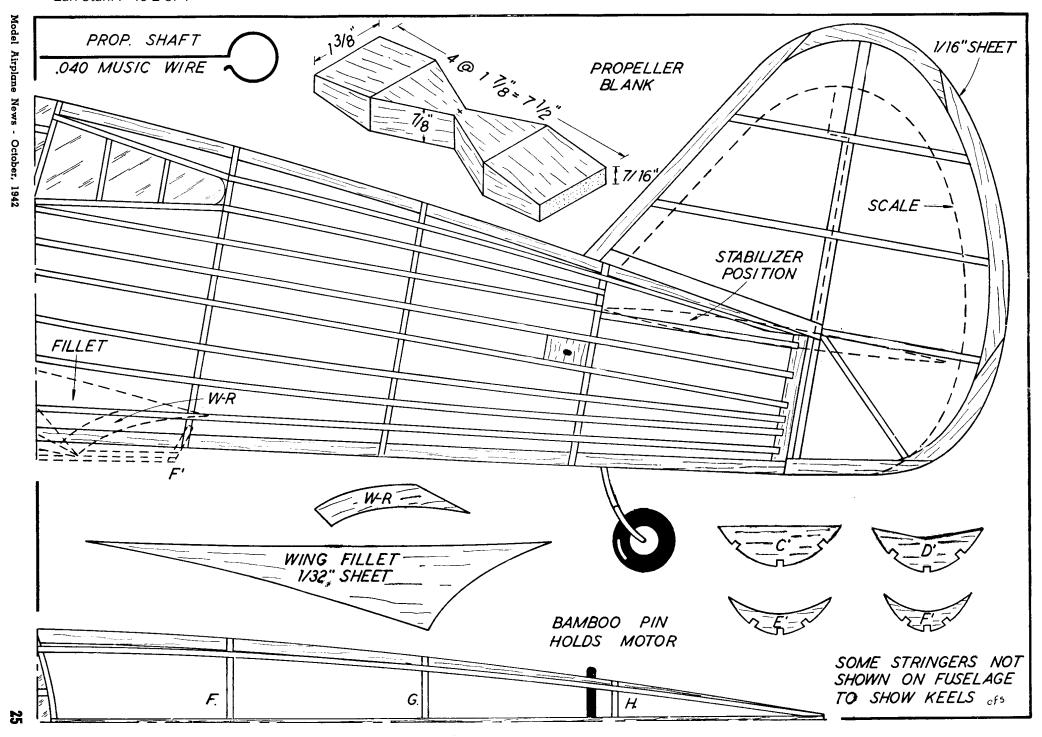
3.7 * ** 15 reviews \$

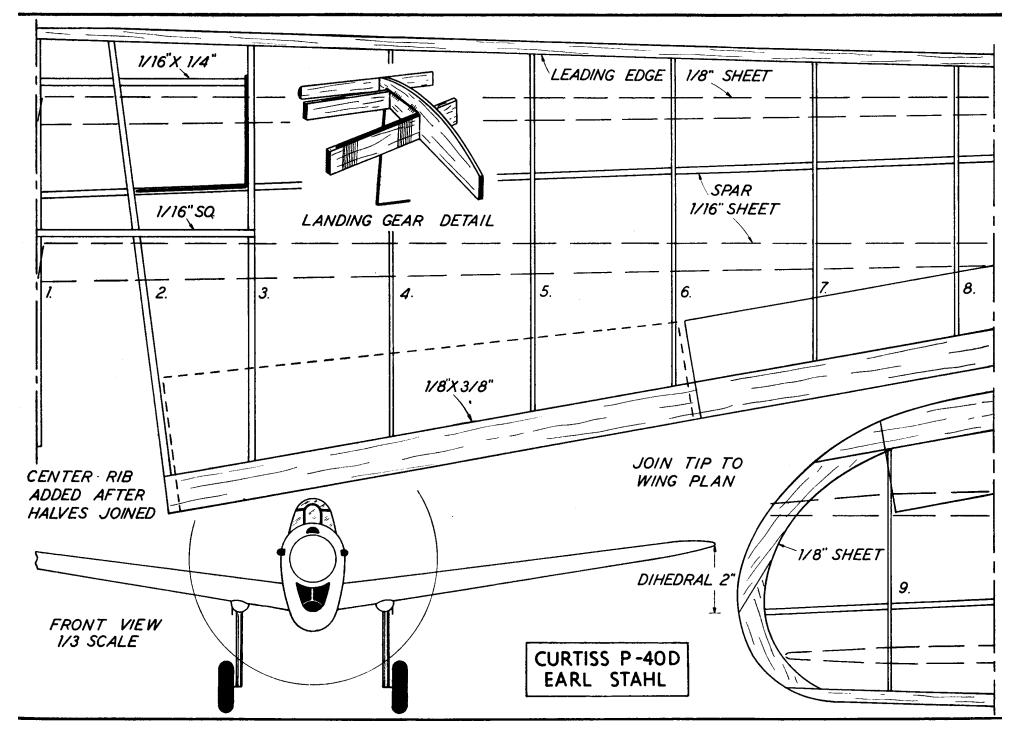
Subway 15 Nuevo Rd, Perris, CA (951) 943-4943

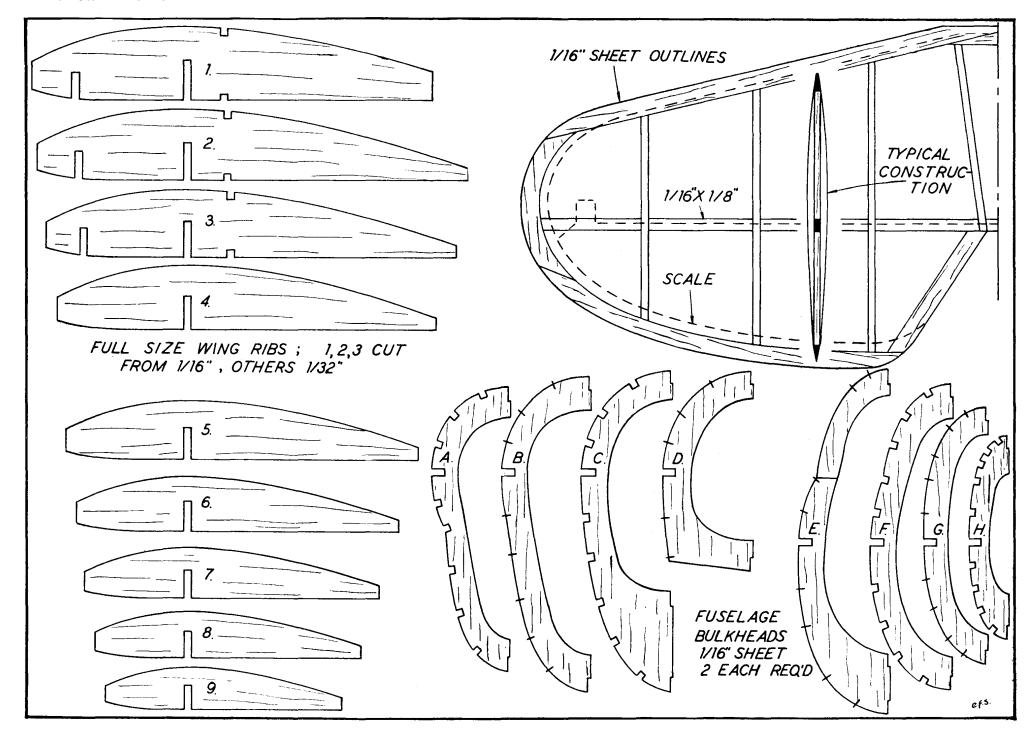


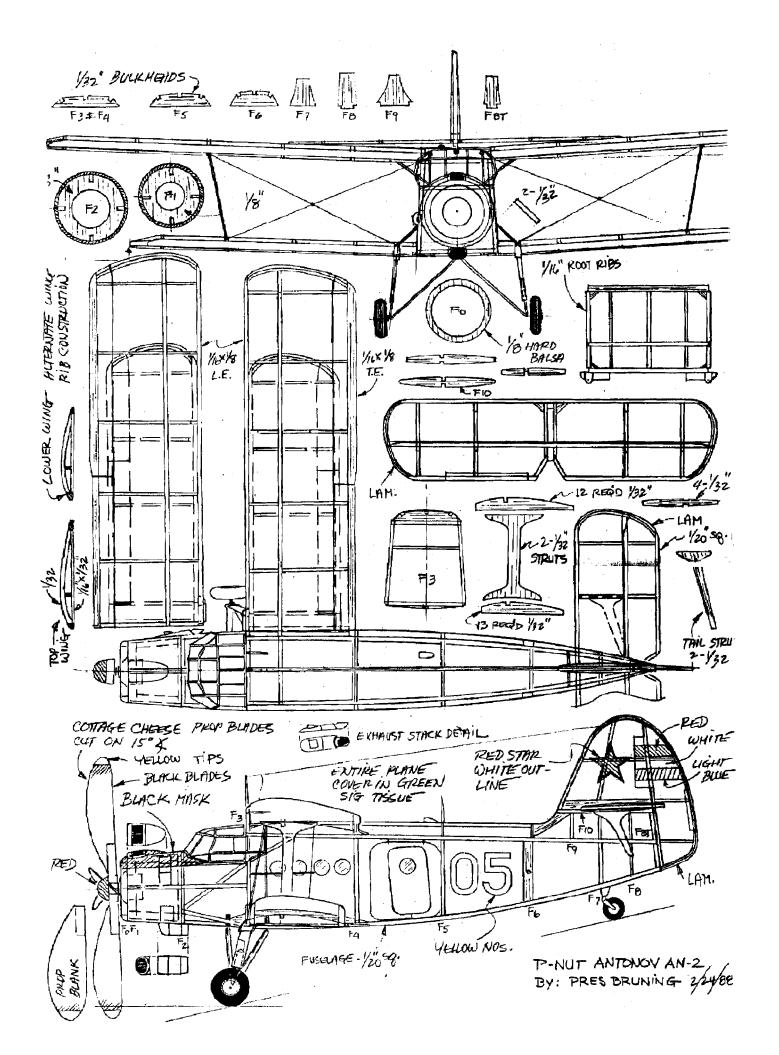
X Scamps Flying field

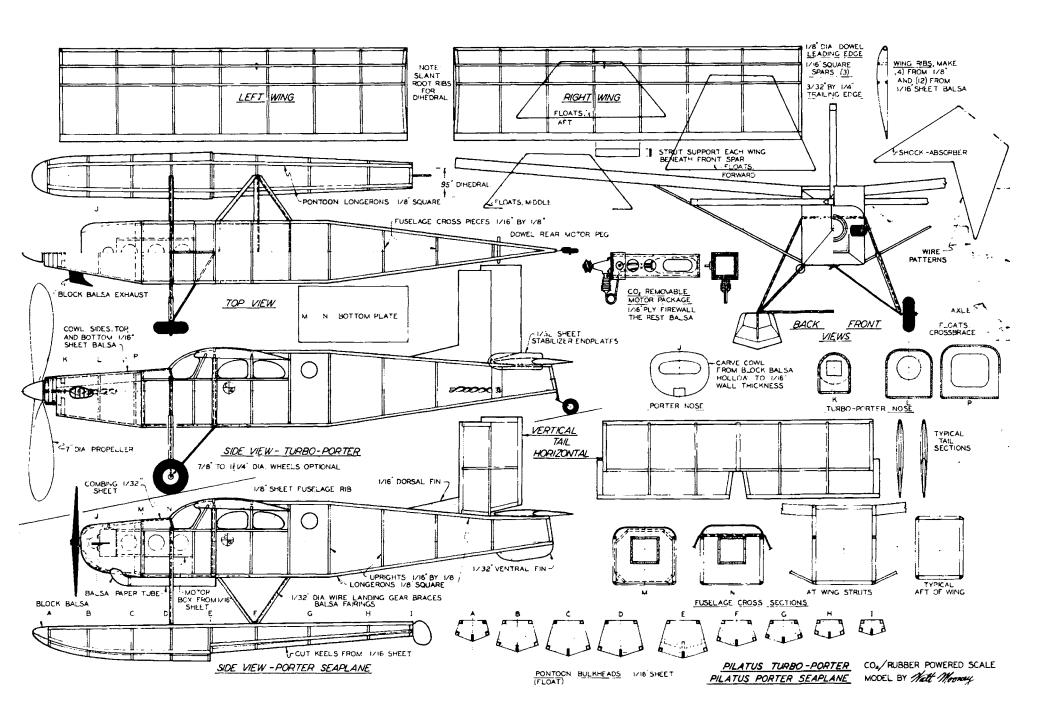




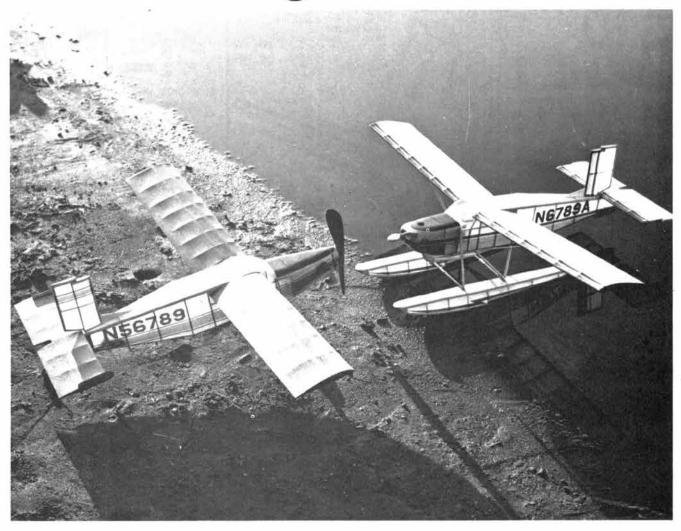








Hardworking Porters



BOTH CO_2 AND RUBBER POWERED, LAND AND SEA VERSIONS OF THE PILATUS AND TURBO-PORTERS MAY BE BUILT FROM THESE PLANS.

The Pilatus Porter and Turbo-Porter are not what one might call beautiful models. They are angular and not very well streamlined. However, beauty is as beauty does, and the Pilatus Porters do an awful lot. They are extremely efficient workhorse types of airplanes and they have good short field takeoff and landing capability.

takeoff and landing capability.

So far our Porters have taken two firsts, a second and a seventh place. The firsts were as a landplane Junior entry at the August Orbiteers scale contest, and as a Junior scaplane entry at the second N.A.R. Flightmasters contest. The second was an Open entry at the Flightmasters scaplane contest. The models shown are convertible, scaplane to landplane and CO2 to rubber power, and fly extremely well in either of the several configurations. The scaplane will consistantly ROW unassisted, although the rubber-powered version requires twice as much power to get off the water as it does to take off the ground on its wheel landing gear.

The CO₂-powered version is a Pilatus PC-6 and the Turbo-Porter is a PC-6/B-H2 powered for real with a 550 shp Pratt and Whitney PT6A-6 turboprop engine. Turbo-Porters have been equipped with several different engines, but this version has the simplest cowl shape.

Although the plans look a little complicated, especially because two versions are shown, it can be built by a beginner who has never built a scale model before—provided he is careful and patient. Several have been built by Juniors with little experience. In fact, their building efforts and questions resulted in several changes to the plans, and hopefully to an improved model article. It is my hope that these Porters will inspire some newcomers to try Scale and so a description of the model construction is in order.

The body is started by building two sides directly over the plans, using 1/8" square balsa for the longerons and 1/16 x 1/8" on edge for the uprights. Cut the fuselage cabin ribs from 1/8" sheet and make them part of the sides. To obtain the sharp corner in the longerons aft of the wing, carefully break the stick at the correct point and cement it back together, bent the correct amount as you lay the longerons down over the plan. To get the sides exactly alike, it's best to build them both at the same time directly over each other. It is also important to have all the longerons made of balsa of the same stiffness.

While the sides are drying, cut out the fuselage formers, the fuselage bottom plate and the parts for the motor mount if you are making the CO2 version. This version is made so it will hold a quick change motor installation as shown on the plans. It was designed this way because anyone owning one of these great little engines will want to put it in several models. The motor mount thus consists of an open-ended box built into the first two fuselage formers aft of the cowl. This box can be omitted if you are building only a rubber-powered version, but will be needed for the CO2 and the convertible model which will have the rubber motor running through it when it is not being operated as a CO2 job.

Cement the two forward formers to the bottom plate and build the motor mount box inside the formers, being careful to have everything properly aligned. Now remove the sides from the plan. Carefully separate them, inspecting them for any loose joints, and remove any fuzz or plan paper stuck to them. Then carefully cement them in place on each



Simple box structure makes a pretty but angular model. Three-spar wing is not highly warp resistant, so keep it pinned to your board when shrinking and doping.

side of the bottom plate and former assembly. Next, install all the cross members in the forward parallel sided part of the fuselage, If the formers and bottom plate were properly lined up, your fuselage will automatically be correctly aligned—if not, it will be crooked, so it is very important to check the assembly of the formers and bottom plate against the plan as you put it together.

When the forward part of the fuselage is dry, crack the longerons at the bend and bring them together at the back of the fuselage. Cement the rear uprights of the body together after thinning them and tapering the longerons as shown in the top view. These aft uprights should be exactly even, and the fuselage will be perfectly aligned. Check it before the cement dries and then add all the aft cross braces.

Use 1/16" dia. aluminum tube, the width of the fuselage, cemented on the front side of the second former for the upper landing gear attach point. Add the forward combing, the cabin top sheeting and round off the longerons as shown in the sections. Do not round off the longeron where the horizontal tail attaches, nor the ribs where the wing will attach. Carefully sand the fuselage structure smooth using fine sandpaper,

The wing is a fairly simple multi-sparred structure. Make a left and right wing. Ribs are cut from 1/16" and 1/8" sheet as needed, or laminate one thick one from two thin ones if desired. The leading edge is made from a birch

Here's Douglas Mooney's CO₂ Porter. He's almost as fine a builder at 15 as his dad. If flown with a Cox 010 with restrictor, additional doping would be needed.



dowel, 1/8" in diameter. If your model shop doesn't carry them your hardware store or local lumber yard will. This type leading edge has two advantages—it is already the right shape for the leading edge of the finished wing, and it will almost never be broken in a crash. The spars and trailing edge are balsa of rather strong stock. Note the position of the strut support and install it in the wing structure. Also note that the ribs that attach to the fuselage are slanted outward at the top so that the wings will have the proper dihedral when they are later cemented to the fuselage.

The horizontal and vertical tail are constructed in the same general manner over the plans using material 1/16" thick by the width shown on the drawing. After they are removed from the plan, soft balsa pieces 1/16" thick are added to the top and bottom of the cross peices and the assembly is then sandpapered to the tail sections shown on the plan.

The cowl for the CO2 model is carved and hollowed from solid balsa blocks. Two pieces of 1 x 2 x 2" block balsa are lightly cemented together and then carved to the outside shape. The seam between the two blocks should be on the vertical centerline of the cowl. After carving and sanding the block to shape, use a thin razor blade to separate the two halves, and hollow each half to approximately 1/16" thick all over, except at the very front where it is 1/8" thick. (See the dotted lines in the plan.) Air inlet holes must be cut in the front of the cowl and access holes are necessary to get the cowl over the top of the engine and for the CO2 filler point. The openings cannot be just painted on, as the engine needs the heat from the air passing by to run efficiently, This applies to its tank also, which must be well ventilated if the engine is to develop enough power to fly. This is especially true for the seaplane version which requires almost twice as much power as the landplane to take off,

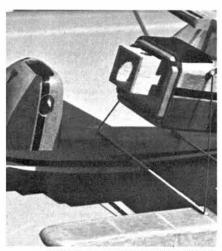
The Turbo-Porter cowl is built up out of sheet balsa with formers for shape and a block balsa front end, Cut former "K" from 1/8" sheet, "L" and "P" from 1/16". Cut two sides and a bottom from 1/16" sheet and assemble as indicated. When dry, plank the upper surface with balsa strips, carefully beveling their edges for a good fit. Note that "K" is located about 1/8" from the front. The nose block is laminated up of four pieces of 1/8' balsa, circular in shape and a square one to fit into former "K". One circle is smaller than the others to be fitted up against "K" inside the front of the cowl. The cowl locator pieces form an irregular hexagon cemented to the front face of former "M". These should be made to fit your cowl snuggly and precisely locate it on the front of the fuselage structure.

Exhausts are made from block balsa and paper tubing as required. In the case of the CO₂ model, the forward part of the exhaust stack is cemented to the cowl and is a slip fit in the aft part of the exhaust stack which is a tube attached to the finished fuselage.

The landing gear depends on the model. The floats, or pontoons, are built like two separate fuselages, Build them upside down over the top view by pinning down the two top pontoon longerons and cementing the bulkheads "A" thru "I" in place. Then add the keels shaped to the contour shown in the side view, and the two bottom longerons (or chines). When the pontoon is dry, sandpaper the upper longerons to a round cornered

contour, but keep the corners of the chines sharp-even the slightest roundness to the bottom side of the floats will increase the water drag tremendously and keep your scaplane from taking off.

Wire patterns are shown for all the landing gear structure. Be sure to smooth the ends so they will fit into the cross tube in the fuselage. There are no rigid points with respect to the fuselage of the landplane landing gear structure. The main attach point, at the upper end of the shock absorber strut, just below the windshield, is inserted into the cross tube and left free to swing fore and aft, The other two points of contact are where the braces touch the fuselage on the bottom centerline. A washer is soldered at the apex of each "V" to make a pressure pad for bearing on the bottom of the fuselage. These pads are free to slide around on impact. There are actually two wire pieces to the landing gear structure. One piece is bent up to make the shock absorber and forward brace all in one piece, and the other is bent to make the rear braces and the wheel axles all in one piece The axle part of the rear brace is slipped



Nose box for the ${\rm CO_2}$ installation. Box also holds the tank.

through the bottom bend of the shock absorber part and the bottom apex of the gear structure soldered on each side;

Prepare a jig to hold the wires in the right position for soldering. It should consist of a block the width of the fuselage at the landing gear position with a hole located at the right place for the upper end of the shock absorber strut. Put the upper ends in the hole and locate the top of the sidebrace bend in line and in the center. Slip a washer between the block and the top of the side braces and solder it in place. Then locate the aft brace/axle piece by slipping the axles through the shock absorber/side brace bottom bends and putting the aft brace bend against the block. Slip a washer between the bend and the block and solder it in place for the rear fuselage bottom bearing pad. Check that everything is aligned and then solder the lower joints where the axles go through the shock absorber side brace bends. Wheels are installed on the axles by soldering on a retaining washer. Many different wheel and tire sizes have been installed on various Porters, so wheel scale is not critical on a Porter model.

The landing gear structural assembly for the float version should only be done after the floats have been covered and doped. When completed and installed on the model, the floats should be aligned parallel to the body in the top view and as shown in the side view. The tops of the floats should be exactly parallel. The cross braces should be strongly attached to the floats so that the two braces and two floats make a rigid assembly. On the original model the float struts were taped to the cross braces in two spots on each brace with a single fold of masking tape. The upper end of the front strut of course inserts in the cross tube and the aft struts are taped to the bottom of the fuselage in two places with a 1/2" square of masking tape. In the event your seaplane hits the shore, the tape will pull loose without damaging the floats. To prevent tearing tissue on the fuselage bottom, put a piece of transparent tape over the bottom tissue where the struts are taped on.

The struts for the seaplane are all streamlined by the addition of balsa fairing sticks. The landplane uses round section shock absorber struts which can be simulated with plastic tubing.

Your Porter structure should now be all assembled. Very carefully sandpaper all the parts so they have no rough edges, or strings of cement attached, and so they have the proper airfoil shapes and contours. Often what prevents newcomers from building nice-looking models is that they don't take time enough to do a good job with the sandpaper. Take it carefully and patiently, but don't overdo it. Do not sandpaper the bottom corners of the floats round—they must be sharp edged.

Cover the model with tissue. Almost any color scheme will do as this is a civilian bird. If you have access to back issues of model or aviation magazines, it will be easy to find pictures of specific Porters to copy. Water shrink the tissue by spraying the parts lightly with water. When dry, give all the parts two light coats of clear dope. Color trim was put on the original models by doping contrasting tissue in place. This is all the finish the land plane needs, but it's not enough for the scaplane.

Add two more coats of dope to the seaplane and then a third, suitably plasticized so it won't shrink too tight and warp the structure. I plasticized my dope by dissolving a piece of camphor the size of a sugar cube in two oz. of thinner and then adding two oz. of dope, Half a teaspoon of castor oil will also work for this much dope. It will also be necessary to put a couple of coats of dope on the inside of the cowl and on the inside of the nose and motor mount box of the seaplane version.

For the CO₂ version, a Cox 4½-2 propeller was used and worked very well. For the rubber-powered landplane version, a 7" dia. propeller is recommended. It is too big in diameter to be used for a rubber-powered scaplane however, so use a propeller that is only 5½" in diameter which will result in only a slight decrease in performance. I used an 8" dia. Paulonia propeller cut down to the desired diameter as a propeller on the original models, but you can carve one of your own if desired. (Paulonia props can be obtained from American Hobby Center, New York if not at your local hobby shop.) The rubber-powered model propeller hook follows standard

practice. Use your favorite freewheeler device if desired.

Install the windows and windshield as the last step. On the original models the windows were simulated with light blue tissue doped on and a thin inked line drawn around them. If you prefer to make them transparent, very carefully cut some out of thin plastic, cut holes in the tissue of the fuselage and cement the windows in place using thin dope as adhesive. The windshield has compound curvature-it bulges and cannot be made exactly to scale out of a flat sheet. Ours were made by carving a wooden form to the correct shape, sanding it smooth and using it as a mold for a Mattel Vac-U-Form. The windshield is just about the maximum size that can be made on the Vac-U-Form, If you don't have one of these most useful toys for the small scale builder, you can heat your plastic and hand-pull it to shape over the form. If neither of these alternatives suits you, take a slight deviation from exact scale and make the windshield from flat sheet bent with only single curvature. This will make the windshield a straight line in the side view, from the front of the rib to the top of the

combing at former "N".

After all the doping is completed, add the license numbers or letters. Numbers one-in. tall on each side of the aft fuselage are proper for a Porter with United States registration. Decals this size are available at most model shops.

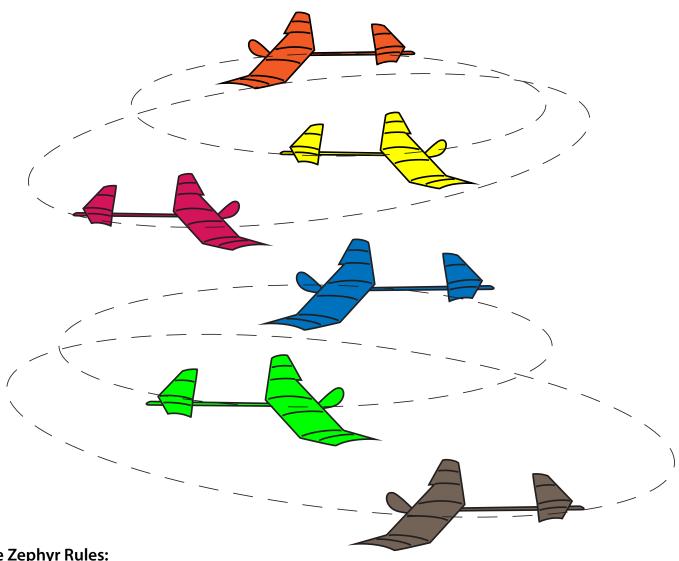
Three-views of the Porters are published in several issues of Jane's All the World's Aircraft. They have also been published in The Observer's Book of Aircraft (1965 and 1966). Perhaps the best data is obtainable in Kenneth Munson's Private Aircraft, Business and General Purpose, published by Macmillan Co., 1967. The Pilatus PC-6 is on page 26 and the Pilatus Turbo-Porter is located on the following page, These are only two-views, but they show both top and bottom details. Best of all, they are in color.

Flying the product of your patience and efforts is always the reward one seeks, and the Porter models should not disappoint you. Make sure the center of gravity is in the right place. The model should balance in a horizontal position if you support it at a point directly above the CG indication. The original rubber Turbo-Porter model balanced perfectly right off the board, but the CO₂ model turned out to be slightly nose heavy. It was ballasted with a small lump of clay stuck to the fuselage under the tail.

For the landplane model, standard trimming procedure is used. Balance the model, test glide it, shimming the tail to get a good glide. Check for a straight glide and remove wing warps or rudder warps if it turns. Start flying with short motor runs and low power, adjust the thrust line to give a good power pattern. Straight or gentle right turns are desired. Use downthrust if it stalls under power.

For the seaplane models, all of the above applies, however, it is amazing how much more power it takes to get off the water. Two loops of 3/16" is needed for the rubber model. It is extremely important that the model taxis on the water in a straight line. The CO₂ model required considerable right thrust to accomplish straight takeoffs. A 1/32" thick shim was used under one side of the engine crankcase, as well as a high power setting for the engine, and the model took off like a charm.

NDOOR CANARD CONTEST November 3, 2013 Grossmont Gym



The Zephyr Rules:

All Classes: Wood must be 1/16" square or greater.

Class 1: A wooden propeller using the building instructions included in the article: 1/32" thick propeller, maximum diameter 8 1/2" flat or twisted. 1/8" square balsa hub, 1 1/4" long, sanded round

Class 2: A plastic single piece molded propeller, maximum diameter 8"

Class 1 and 2 Competition:

"Best three flights out of six"

Mass Launch Competition:

All competing planes welcome in the mass launch. One flight.

There will be an official contest timer and an assistant timer (in case the official timer would like to be in the contest). Flying will be conducted in rounds with trim flight possible between rounds.

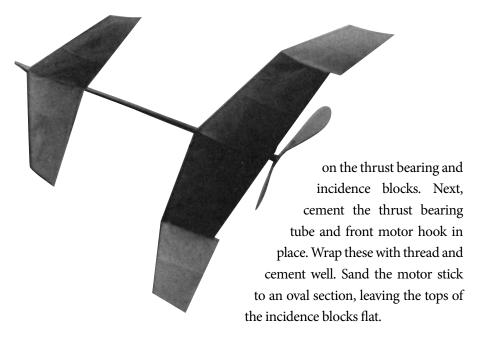
Contest Director

William Scott wscott127@mac.com phone (619) 701-2457

The Zephyr

From Model Builder, March 1979, Volume 9, Number 86

By Randy and Irene Wrisley



simple stick model that would be great for club contest. Full size plans on next two pages.

The "Zephyr" is a simple little rubber-powered canard that is a real eye-catcher and quite a performer to boot. Canards are fun and are capable of surprisingly good flights. Being a stick model, the Zephyr is very quick to build. Indoors or out, its consistent performance will make you wonder why this type of layout isn't explored further. (It's interesting to note that, according to Webster, a canard is "an obsolete kind of airplane with the rudder and elevator in front." Somebody better tell Burt Rutan about this, so he won't design any more "obsolete" airplanes like the Vari Viggen, Vari Eze or Quickie!)

Motor Stick

Cut the motor stick to length from a piece of rock-hard 1/8 x 1/4 balsa. Glue

Wing

Make an airfoil template from 1/16 plywood. Cut out 14 ribs of light 1/16 sheet and set them aside. Pin down the leading and tip trailing edges on the plan. Cement the #1 ribs in place. Use shims to raise the center section trailing edge up off the plan as required and cement it to the #1 ribs. Add the rest of the ribs, trimming them at the aft end as necessary. When everything is dry, crack the leading and trailing edges at the #1 ribs and raise each tip 2 1/4 inches. Re-glue the joints with Titebond or Hot Stuff.

Canard

The canard is built just like the wing. Use the leftover wing ribs, and when dry, raise each tip 1 3/8 inches for the proper dihedral.

Propeller

Cut the prop blades from 1/32 sheet balsa. The hub is 1/8 square balsa, 1 1/4

inches long, sanded round. Push a pin through the center and cut a slot 1/32 inch wide and 3/8 inch deep at each end. The slots should be about 60 degrees relative to the pin. Cement the blades to the hub. Put a coat of dope on the back side of each prop blade to get the proper curve (see side view). When dry, balance the prop as best you can.

The prop shaft is a piece of 1/32 music wire. Bend a loop in one end for the rubber motor, slide the shaft through the thrust bearing tube, add two glass beads, slide the prop on and bend the barb in the shaft as shown on the plan.

Covering

The wing and canard are covered with tissue. Don't shrink the tissue with water or dope, please, or you'll have to get your template out again, cut out 14 more ribs, and build a whole new wing and canard. By the way, the wing and canard are covered on the top surface only.

Assembly and Flying

Glue the wing to the motor stick. Spot-glue the canard in place. The motor is a single loop of 1/8 inch rubber with about 2 inches of slack. Balance the model where indicated with the motor in place. Hand glide the model to get the final trim, adding small bits of clay to the nose or tail as required. When you're satisfied with the glide, try a few hand wound power flights. The Zephyr should fly in left circles, spiraling up under power. Tilting the canard toward

the direction you want the model to fly will control the turn. Use a winder for maximum duration. Have a ball, and remember, Zephyr is capable of going O.O.S. on the slightest bit of warm air. After all, that's how it got its name!

