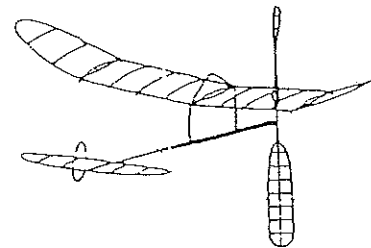


ISSUE #125
FALL 2010

INDOOR

NEWS and VIEWS



FROM THE EDITOR'S DESK

Here we go with issue #125 ! I wanted to have a list of all the people that have renewed their subscriptions in this issue , but due to other info and stuff it will have to wait until issue #126 comes out in November. Also the expiration date will have to wait also, due to my recent back surgery. I cannot sit or stand too long as I have a lot of pain still. Please bear with me.

In this issue we will have the Variable Pitch Prop set up, along with plans for Lou Young's radical Penny Plane, The text for this will be in # 126. Along with these plans , we will have Wally Miller's original EZ-B plans and it's history. Now for a bit of a challenge. I plan to sponsor a one design event, featuring Wally's original EZ-B at the 2011 AMA/NFFS Indoor Nationals. You will have to build the model to the exact parameters of the original plans, with the exception of the covering. You may use mylar of your choice. The kicker? First Place will be \$100.00, Second place \$50.00 and third \$25.00. All others will receive certificates. The ball is in your court.

Now that I have your attention, there was a mistake in Issue #124 on the dates of our AMA/NFFS Indoor Nationals, I had June 1-5, the actual dates are 25-29 May 2011. Please mark your calendars accordingly.

We also have for you the results of the World F1D Championships to include the Junior results and Senior Team standings, thanks to Nick Aikman.

Any questions on the above info feel free to contact me at vandover@cox.net or 757-877-2830

Indoor Model Specialties

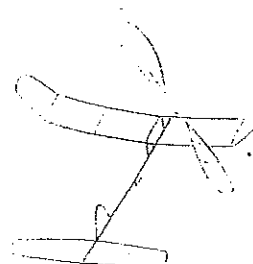
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Material from Ultrafilm to Thrust Bearings
Bambino competitive Science Olympiad model kit

See my brochure under Links at
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Ray Harlan
15 Happy Hollow Road
Wayland, MA 01778
508.358.4013

Mastercard and Visa accepted



Ray wants to add this to his ad for Indoor Specialties, so here it is. Next month we will have Tim Goldstein's Ads.

Specialty tools, including Scales, Rubber and Balsa Strippers, Tail boom forms, Dial gages, Boron glue Applicators, And Top Hat Benders.

Materials, including, Ultra and Superultra Pigtail thrust Bearings, Bracing Wire, Boron (.003 and .004), O Rings, Condenser Paper.

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INDOOR MODELING 1959-1960

Wally Miller

This was a period of dramatic and historic change in our indoor scene as we know it today. In early 1959, the thought of flying for records under various height categories had not occurred. There was no "Easy B" or anything else easy. Delicate frameworks covered with microfilm and braced with invisible wire were considered to be an expert only event, and so it was.

Then a series of events began to fall into place that worked out as though they had been scripted. It all started in July of 1959, when a group of very dedicated modelers from the Los Angeles area formed an exclusive indoor only model club, "The Wilmington Model Airplane Club" (named after the community and monthly flying site).

In September 1959, a simple comment triggered the biggest change in our indoor history. Two experts and well known modelers, David Copple and Tom Finch, were standing in a flying site, Dave was timing a model being flown by Tom. As the model circled high overhead, Tom said to Dave "we should have records for multiple ceiling heights". Having known Dave and how dedicated he was to modeling, I am positive that the moment Tom made that statement, he envisioned every recreational building in the country flying indoor models. Dave and Tom then collaborated on what was to be known as "The Wilmington Indoor Proposal".

During the drafting of this proposal, the two fine clubs in Detroit and Chicago were consulted for their support and approval. Both clubs endorsed the proposal now called "The Detroit, Chicago, Wilmington Proposal". On April 8, 1960 it was completed and presented to the charter members for signing. Dave Copple had held many positions within the AMA and decided this important matter should have his personal attention. By the end of the month, he had made arrangement to hand carry, at his own expense, the proposal to AMA headquarters. On April 29th, the chairman of the free flight board, Mr. John Patton had the proposal in hand. After a very cordial visit, Mr. Patton said he would make a presentation to the board members.

In May 1960, I was invited to join "The Wilmington Model Airplane Club". Past indoor experience consisted of 1 "A" ROG from a Zaic year book; powered by golf ball rubber it flew for about 30 seconds, did not last too long and I lost interest.

At my first club meeting, I met Lew Gitlow, who had established his indoor model supply business called Micro Dyne: lots of great supplies including 3 kits loaded with information that I am sure put many modelers over the hump.

At this time, AMA designated classes by the square inch of wing area. C1 "A" 30 sq. in. max., "B" 100, "C" 150.

By the next meet in June, I had build a 68 sq. in. C1 "B" original design; best flight time 12:30. I was happy.

My 8 ½ year old son, Don, would accompany me to all the meets and fling his hand launched glider around. After 3 months, he expressed a desire to build his own indoor model. My first thoughts were quite negative, but then I remembered back when I was his age. I had built my first dime scale, stick and tissue, with no help. Perhaps it could be done.

A great deal of thought went into a design that was simple to build, strong enough to take a little abuse and still fly long enough to satisfy his young ego. I selected solid components and a medium size model. Plans were drawn up and the first EZB was built in September 1960. Wing spars on this model were 3/32 sq. sig contest balsa double tapered to 1/16 with 1/16 ribs, indoor wood for the balance of the model and the covering was home made microfilm (dope and castor oil). Don managed to complete 75% on his own, my part was to build the prop. And help with the final assembly. This model was never weighed, a good guess would be .065.

The Los Angeles Armory (42') was the first opportunity to fly. At this time, torque meters had not been developed. The practice was, one person (the stooge) would hold the model by the rear hook while another wound. Lew Gitlow had stopped by and was soon delegated to wind. Approximately 900 turns were put into a short loop of 1/16 Pirelli, and the model was launched. To our amazement, this flight lasted 3 ½ minutes. Don made subsequent flights with a longer motor that produced consistent 5 minutes plus flights with a high time of 5:53.

For the October meet, I had built my 1st EZB, weighing around .035, flight times 6 to 7 minutes in our 30' site. During the next few months, many more joined in. Dave and Lew had also built one weighing around .035. My son, Don, built a second model that weighed .038; with it, he set a National Jr. CL "B" record of 6:38 in our 30' site.

On October 4, 1960, the long awaited approval of the "Detroit, Chicago, Wilmington proposal was passed, to be effective November 1st 1960.

On November 11, 1960, over 80 people attended the first Cat. 1 record trials at Wilmington recreational center. Times were low due to excess air movement. By December, things settled down and new records were made.

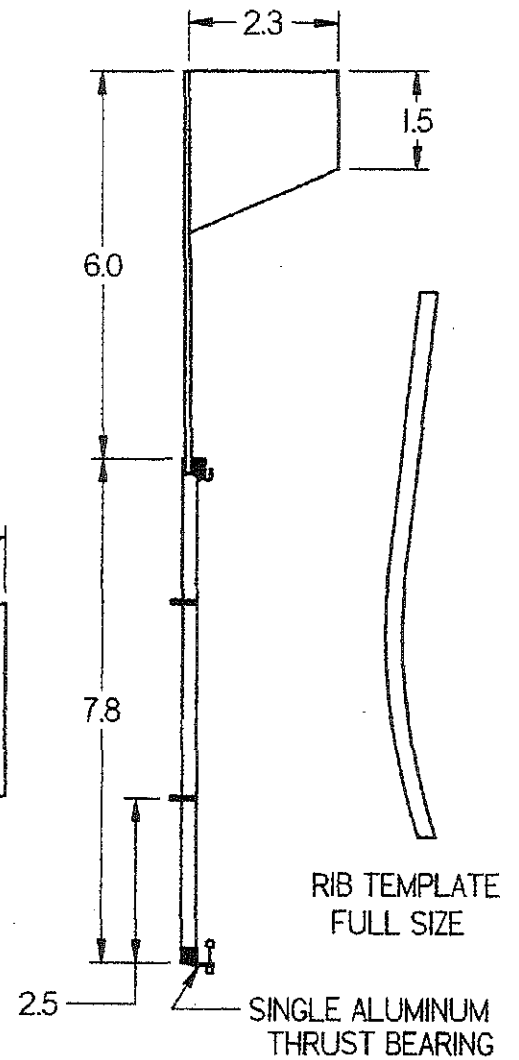
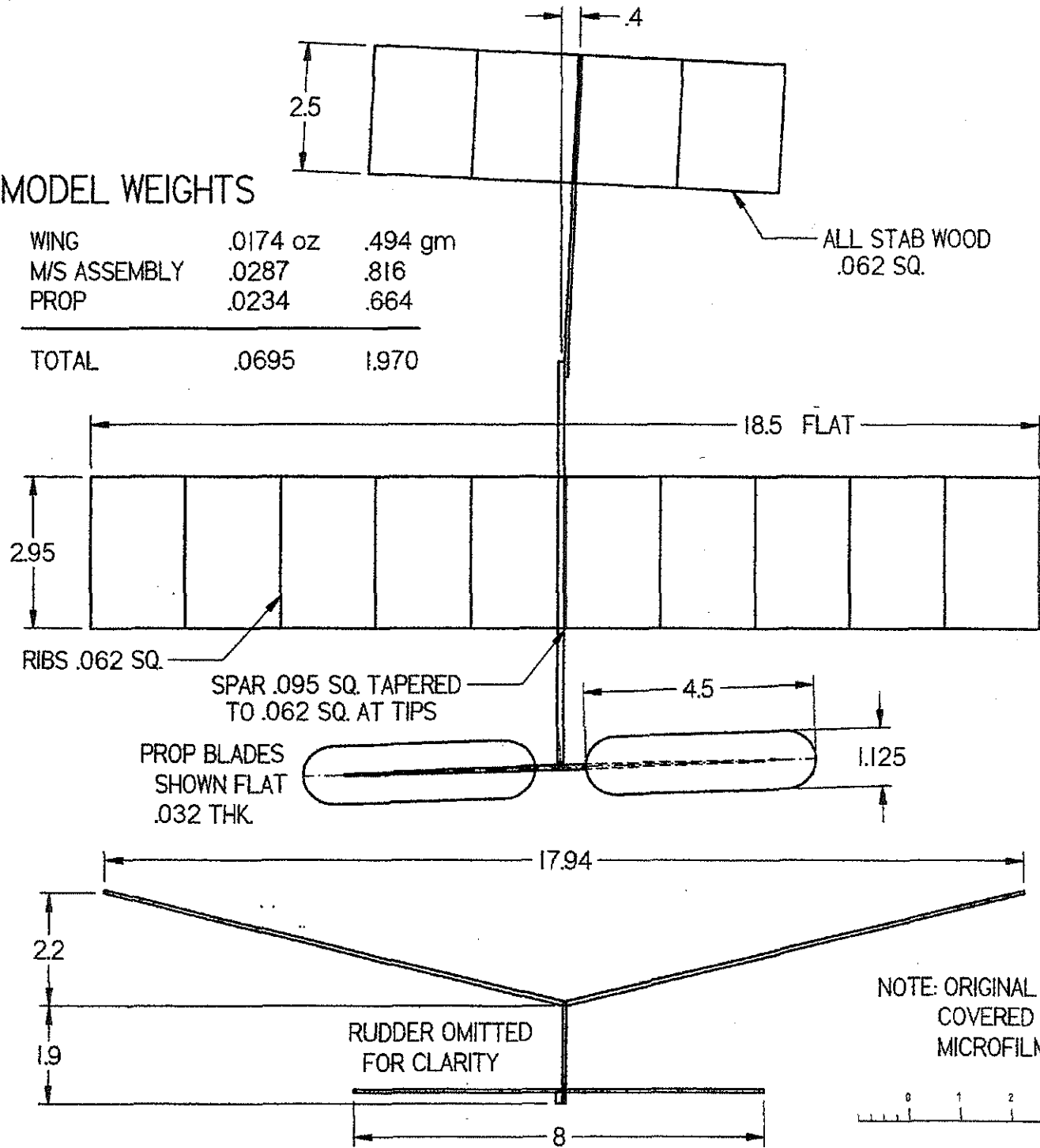
In January of 1961, Dave Cople, our newsletter editor, decided it was time to publish plans for my new model. We discussed the parameters one last time. These parameters remain basically the same as we know them today with the exception that all outlines had to be straight lines, and the 50% stab. Rule. As I turned to leave, Dave stopped me and asked: by the way, what are you going to call this model? Without any thought at all, out came "EASY B".

The February 1960 Wilmington newsletter went out around the world and so did "Easy B"; the rest is history.

For a long time, the "Easy B" was easy, now it's whatever you choose to make it.

MODEL WEIGHTS

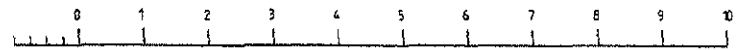
WING	.0174 oz	.494 gm
M/S ASSEMBLY	.0287	.816
PROP	.0234	.664
TOTAL	.0695	1.970

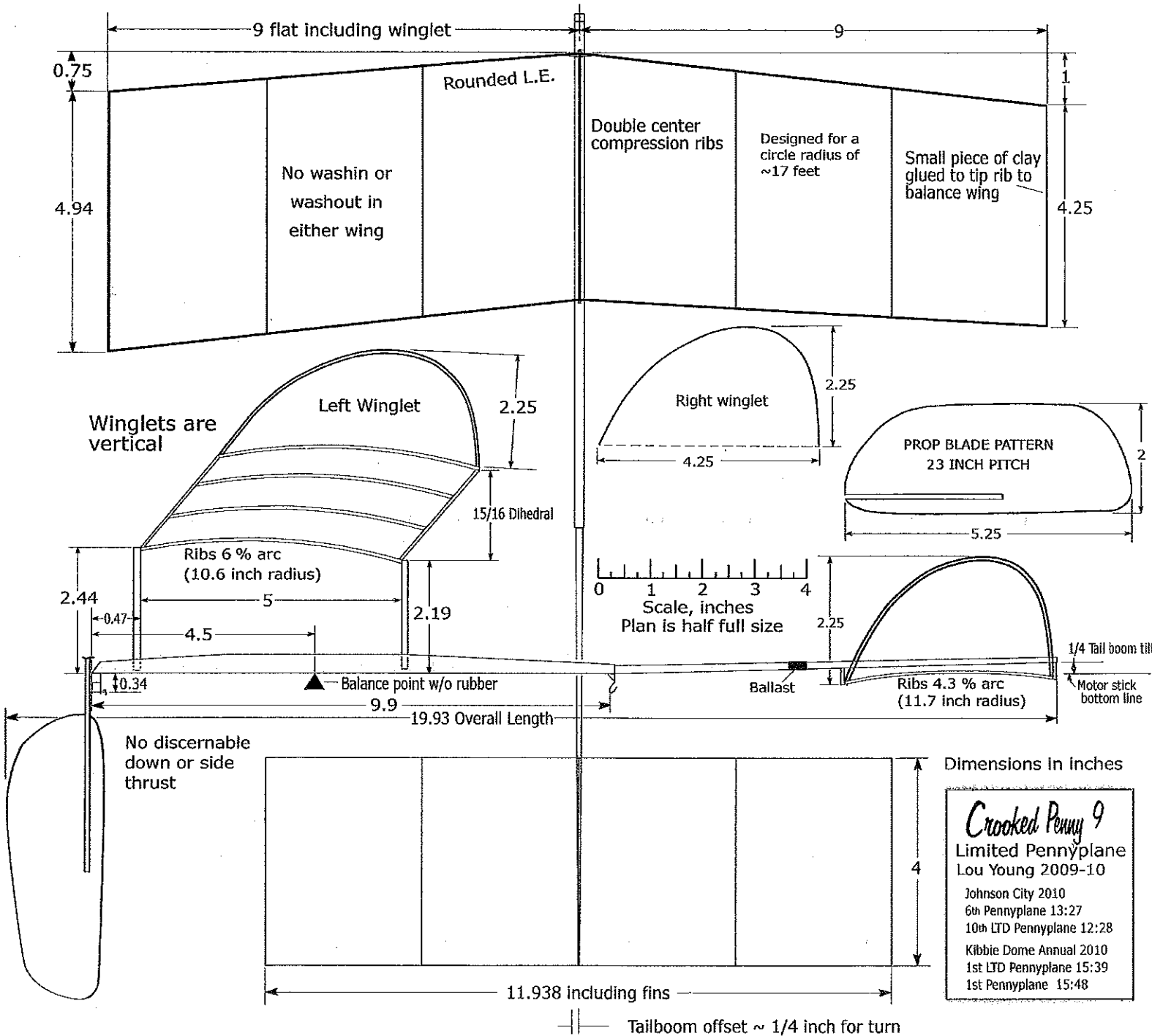


NOTE: ORIGINAL WAS COVERED WITH MICROFILM

WALLY MILLER'S ORIGINAL "EZ-B" FROM 1960

DATA: LARRY COSLICK
DRAWN: MIKE PALRANG
FEB. 2007

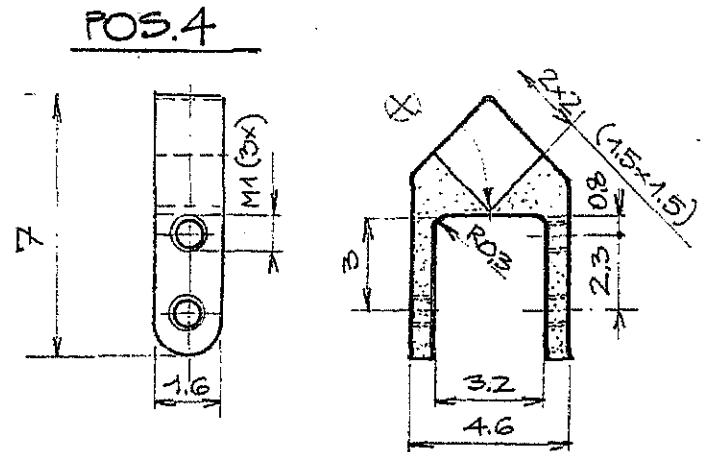
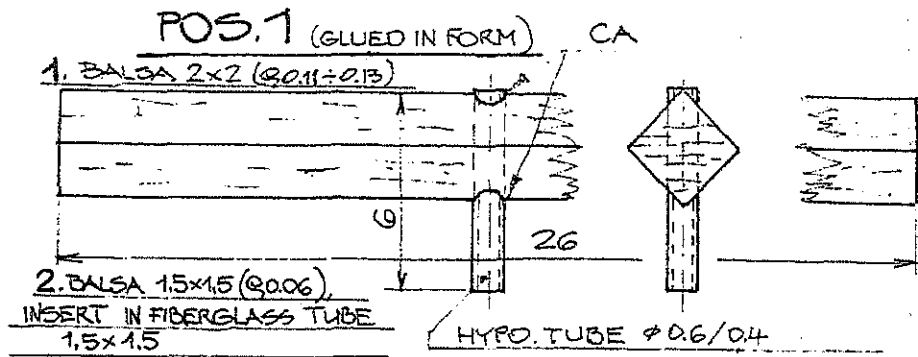




Crooked Penny 9
 Limited Pennyplane
 Lou Young 2009-10
 Johnson City 2010
 6th Pennyplane 13:27
 10th LTD Pennyplane 12:28
 Kibbie Dome Annual 2010
 1st LTD Pennyplane 15:39
 1st Pennyplane 15:48

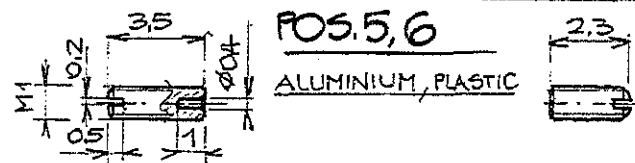
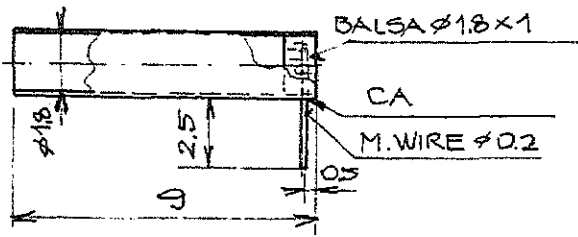
Co-Editors- Carl Bakay, Jeff Hood.
 Contributing Editor- Nick Aikman, UK
 Contributing Editor-Bill Gowen

Indoor News and Views is an open forum presenting ideas, opinions, model designs and techniques for the indoor community. Unless specifically stated INAV does not offer any opinion as to the merit of published work, nor does it indorse any products or services advertised herein.

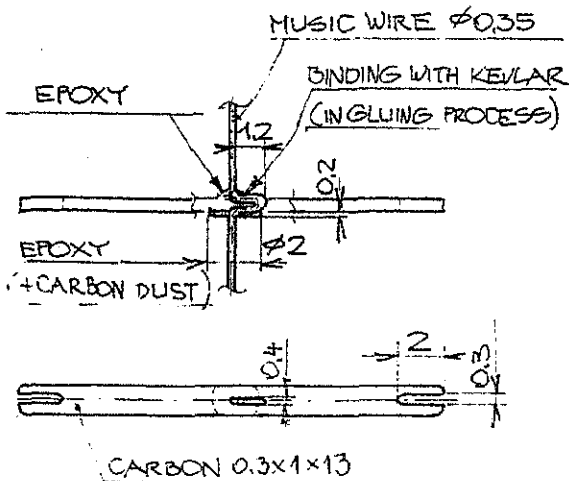


X - PLACE FOR CUT - TO EASIER PLUGGING ON TO POS.1

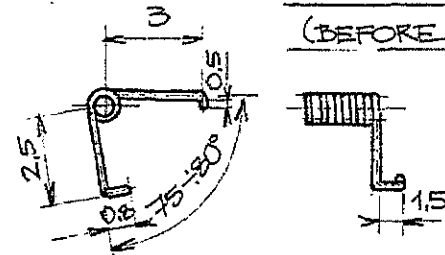
POS.2. FIBERGLASS OR PAPER TUBE



POS.3 DRIVER AND PROPSHAFT (GLUED TOGETHER IN FORM)



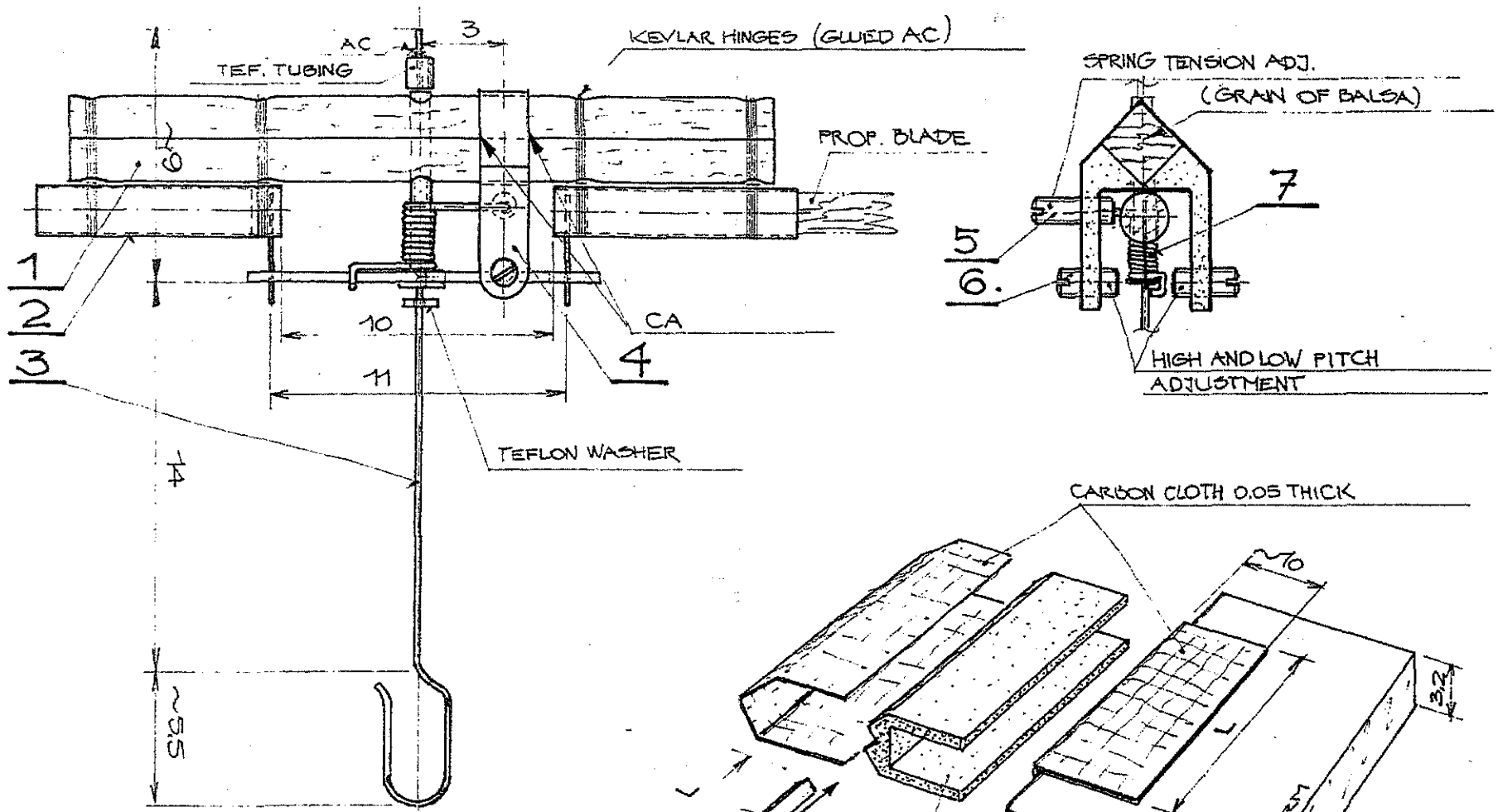
POS.7 (BEFORE FITTING)



SPRING: MUSIC WIRE $\varnothing 0.2$, 3.5 TURNS ON $\varnothing 1$ HANDREL, OR 8.5 TURNS ON $\varnothing 0.6$ HANDREL

VP PROP HUB (DIMENSIONS IN MM)

IVAN TREGER (SK)



7

AC - ACETON GLUE (THINED)

CA - SUPER THIN CA GLUE

ROHACELL - TECHNICAL FOAM (AIRCRAFT)

M1 - METRIC SCREW

ρ - SPECIFIC WEIGHT g/cm^3

MAKING THE COMPOSITE SCREW HOLDER (POSITION 4)

1. LAMINAT. PROCESS IN PLASTIC SOCK IN VAKUUM
2. REMOVE THE METAL STICK
3. CUT WITH HIGHSPEED DIAMOND CUTTING WHEEL TO LENGHT

FAI WORLD CHAMPIONSHIP INDOOR CLASS F1D 2010

Individual results

1	Ivan Treger	SVK	34.08	22.02	39.27*	34.03	29.41	35.42+	75.09
2	John Kagan	USA	35.09	35.57	34.53	36.33*	22.09	36.07+	72.40
3	Lutz Schramm	GER	34.50+	33.05	33.26	34.51*	30.47	31.47	69.41
4	Slobodan Midic	SRB	14.46	35.22*	34.00+	32.12	32.51	31.24	69.22
5	Brett Sanborn	USA	33.41+	32.17	33.17	34.54*	33.40	32.42	68.35
6	Aurel Popa	ROU	33.50+	1.18	34.03*	32.15	2.11	0.00	67.53
7	Dezso Orsovai	HUN	32.10	33.18+	33.42*	25.19	32.58	32.00	67.00
8	Zoltan Sukosd	HUN	32.46*	32.34+	29.45	31.49	26.58	31.16	65.20
9	Derek Richards	GBR	31.11	31.46+	33.07*	31.20	31.22	30.42	64.53
10	Mark Benns	GBR	30.45	31.21	30.50	32.56*	31.35+	27.38	64.31
11	Andras Ree	HUN	31.58+	19.44	29.49	32.30*	13.10	9.46	64.28
12	Mikita Kaplan	CZE	26.19	27.47	31.01+	32.44*	29.52	30.16	63.45
13	Didier Barberis	FRA	27.55	31.48*	6.26	30.25	31.15+	28.44	63.03
14	Stephen Brown	USA	10.40	31.24*	0.00	30.36+	12.03	6.56	62.00
15	Vasile Nicoara	ROU	9.52	10.07	33.11*	21.02	17.28	28.21+	61.32
16	Edward Ciapala	POL	30.01	30.35+	30.54*	8.26	0.00	28.22	61.29
17	Thierry Marilier	FRA	24.55	29.40	29.04	30.11+	11.11	31.01*	61.12
18	Jerzy Markiewicz	POL	30.24*	26.12	29.49	30.10+	3.39	13.55	60.34
19	Robert Champion	FRA	29.12+	31.19*	28.23	28.03	28.10	25.28	60.31
20	Klara Kaplanova	CZE	30.12*	28.06	18.19	29.17	29.24	29.58+	60.10
21	Slobodan Milic	SRB	28.49	11.52	27.16	30.32*	29.08	29.10+	59.42
22	Jan Dihm	POL	29.42+	29.40	29.18	29.53*	23.12	21.27	59.35
23	Lotz Reiner	SUI	19.50	28.43	29.06+	29.28*	25.30	26.18	58.34
24	Karl Schoenfelder	GER	12.42	27.55+	10.52	11.56	21.12	30.30*	58.25
25	Dan Amoraritei	ROU	28.09+	2.30	26.47	27.40	28.07	29.21*	57.30
26	Milan Najman	CZE	26.34	27.07+	30.00*	25.14	26.10	23.43	57.07
27	Uwe Bundesen	GER	24.34	24.14	27.24	28.00*	28.00+	11.07	56.00
28	Hideyo Enomoto	JPN	26.08	27.46*	25.42	26.10	25.39	26.48+	54.34
29	Siebenmann Dieter	SUI	25.19	27.14*	27.07+	26.54	1.58	16.49	54.21
30	Pentti Nore	FIN	18.09	23.23+	28.19*	5.56	16.40	21.19	51.42
31	Lazar Lacimic	SRB	23.37	24.56+	16.10	26.17*	8.23	8.20	51.13
32	John Shaw	GBR	23.45+	7.50	16.58	24.37*	0.00	23.29	48.22
33	Tapio Linkosalo	FIN	22.37+	7.16	21.35	22.19	19.18	23.24*	46.01
34	Okitsugu Sasaki	JPN	1.25	16.21	20.28	21.05+	22.21*	17.58	43.26
35	Leif Englund	FIN	16.53	7.02	6.48	19.54+	18.11	21.35*	41.29
No.of best flights in each round			3	6	8	12	1	5	
No.of 2nd best flights in each round			9	8	4	5	3	6	
No.of scoring flights in each round			12	14	12	17	4	11	
No.flts exceeding 25 min			22	22	26	27	18	21	136
No.flts exceeding 30 min			13	12	13	16	7	11	72
No.flts exceeding 35 min			1	2	1	1	0	2	7

Longest single flight 39.27 by Ivan Treger

Senior Team results

	Country	Abbrev	Total	Round-by-round places					
1	USA	USA	203.15	6	2	3	1	1	1
2	Hungary	HUN	196.48	1	1	1	2	2	2
3	Romania	ROU	186.55	8	11	8	7	7	3
4	France	FRA	184.46	5	4	4	3	3	4
5	Germany	GER	184.06	7	6	9	9	9	5
6	Poland	POL	181.38	2	3	2	4	4	6
7	Czech Republic	CZE	181.02	4	5	5	5	5	7
8	Serbia	SRB	180.17	9	8	6	6	6	8
9	Great Britain	GBR	177.46	3	7	7	8	8	9
10	Finland	FIN	139.12	10	10	10	10	10	10
11	Switzerland	SUI	112.55	11	9	11	11	11	11
12	Japan	JPN	98.00	13	12	12	12	12	12
13	Slovakia	SVK	75.09	12	13	13	13	13	13

FAI JUNIOR WORLD CHAMPIONSHIP INDOOR CLASS F1D 2010

Individual results

1	Gabriela Kaplanova	CZE	31.03+	30.58	0.00	13.40	0.00	31.05*	62.08
2	Lucas Marilier	FRA	24.21	25.14	27.10+	29.30*	18.40	24.05	56.40
3	Parker Tyson	USA	7.00	7.16	11.15	24.17	24.56+	26.44*	51.40
4	Curtis Wernette	USA	5.47	23.58	25.31+	25.53*	23.21	20.19	51.24
5	Eduard Mihail Moraru	ROU	17.51	24.23+	23.35	18.34	0.00	26.10*	50.33
6	Mihnea Serban	ROU	10.53	23.21	23.35	21.14	24.33+	25.23*	49.56
7	Laurynas Puodziunas	LTU	23.32	0.00	24.28	25.05*	24.50+	11.48	49.55
8	Jonas Deveikis	LTU	24.07+	23.57	10.09	25.29*	7.09	23.29	49.36
9	Alexandru Visan	ROU	20.27	4.20	22.04+	14.01	26.45*	13.49	48.49
10	Nicolas Brouant	FRA	19.28	19.26	13.19	22.26	23.08+	24.39*	47.47
11	Nicolas Tranchon	FRA	15.00	18.33	18.36	20.33	22.00*	20.57+	42.57
12	Tomas Mazvila	LTU	19.35	18.13	21.12*	20.36	20.50+	18.22	42.02
No.of best flights in each round			0	0	1	4	2	5	
No.of 2nd best flights in each round			2	1	3	0	5	1	
No.of scoring flights in each round			2	1	4	4	7	6	
No.flts exceeding 20 min			5	6	7	9	8	9	44
No.flts exceeding 25 min			1	2	2	4	1	4	14
No.flts exceeding 30 min			1	1	0	0	0	1	3

Longest single flight 31.05 by Gabriela Kaplanova

Team results

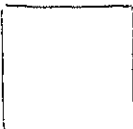
	Country	Abbrev	Total	Round-by-round places					
1	Romania	ROU	149.18	3	3	1	3	1	1
2	France	FRA	147.24	2	1	3	2	2	2
3	Lithuania	LTU	141.33	1	2	2	1	3	3
4	USA	USA	103.04	5	5	4	4	4	4
5	Czech Republic	CZE	62.08	4	4	5	5	5	5

INDOOR

NEWS and VIEWS

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FALL 2010



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