THE HANGAR PILOT

ISSUE 91
JAN '84

THE MIAMI INDOOR AIRCRAFT MODEL ASSOC.

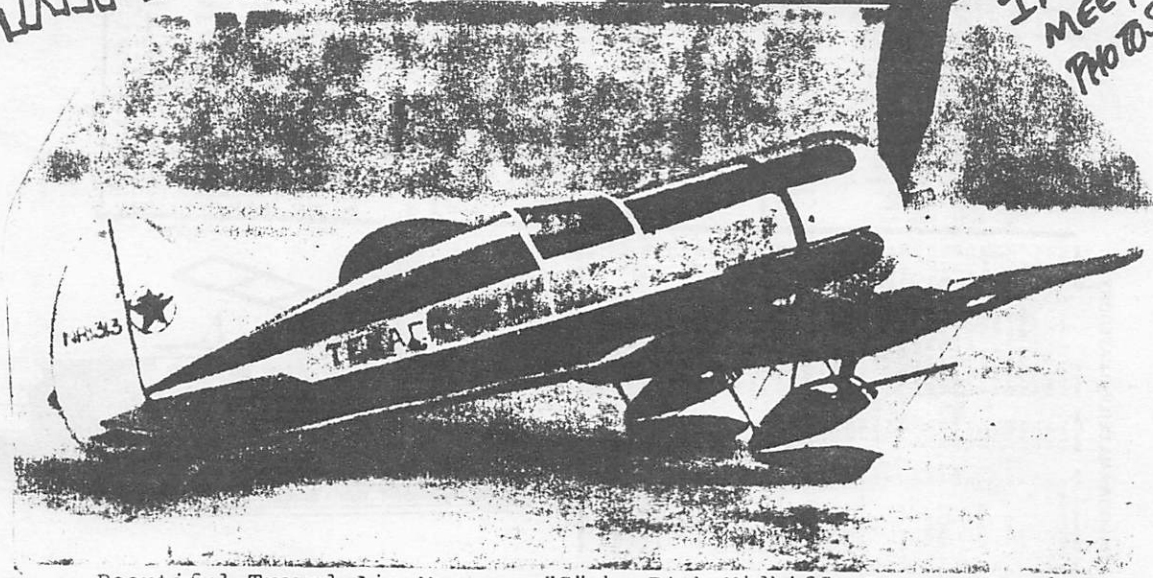
LAKELAND MEET
PHOTOS BY
DEAN McGINNES

HAPPY NEW YEAR!



Doc Martin of Miami and Dornier flying boat. Note end of building in background!

IMC MEET PHOTOS



Beautiful Travel Air Mystery "S" by Rick Midkiff, Pompano Beach



THE HANGAR PILOT

Is published 8 (or 9) times a season for a bunch of middle aged guys who refuse to grow up. MIAMA (Miami Indoor Aircraft Model Association, AMA Club 986, is the only active all indoor free flight club in AMA. Our Mottos: "It must be fun.", and "Indoor isn't for everyone." For $10.00 a year you will receive all copies. We solicit your contributions since we are always running out of material. Letters, plans, 3-views, articles, gripes, and Money to: Dr. John Martin Pres./Editor. 2180 Tigertail Ave. Miami, Fla. 33133 USA Phone: 305-858-6363 We want to hear from you!!! Send material!!!

National AMA Records

AS OF NOVEMBER 30, 1983

Note: All Indoor record times have been reduced to the nearest whole second for this listing.

INDOOR AMA CEILING CATEGORY I

Category	Age	Min/Sec	Held By	Date Set
ROG Stick	Jr.	8:09	Mike Clem	12-14-80
"	Sr.	No record established		
"	Op.	12:10	Hubert A. Entrop	4-15-61
Paper Stick	Jr.	7:41	Jon Smothers	11-13-82
"	Sr.	5:38	Pat Winkler	4-24-83
"	Op.	16:04	Thomas Vallee	8-2-81
HL Stick	Jr.	16:48	Jonathan Harlan	10-1-83
"	Sr.	5:38	Pat Winkler	4-24-83
"	Op.	23:49	Thomas Vallee	10-3-82
ROG Cabin	Jr.	10:01	Jonathan Harlan	10-1-83
"	Sr.	No record established		
"	Op.	No record established		
Autogiro	Jr.	1:06	Dave Lindley	6-23-78
"	Sr.	2:17	Charles K. Martin	12-29-75
"	Op.	3:08	Thomas Kopriva	10-2-83
Helicopter	Jr.	2:22	Dan Aggers	3-24-72
"	Sr.	4:32	Ronnie Stransky	3-31-73
"	Op.	10:36	W. H. Phillips	12-28-69
Ornithopter	Jr.	1:29	Jolyn Andrews	6-10-82
"	Sr.	0:24	Bill Malo	4-9-81
"	Op.	2:35	Patrick Deshaye	10-2-83
HL Glider	Jr.	0:53	Jon Smothers	3-26-83
"	Sr.	1:01	Mike Clem	2-26-83
"	Op.	1:18	Mark Drela	7-3-82
FAI Indoor	Jr.	16:48	Jonathan Harlan	10-1-83
"	Sr.	No record established		
"	Op.	23:14	Thomas Vallee	9-13-81
Penny-Plane	Jr.	6:05	Jon Harlan	7-3-82
"	Sr.	6:45	Mike Clem	5-13-82
"	Op.	8:36	Walter Van Gorder	2-20-83
Novice Penny-plane	Jr.	6:05	Jon Harlan	7-3-82
	Sr.	6:51	Mike Clem	2-28-81
	Op.	7:53	Doug Barber	2-13-83
Easy B	Jr.	8:10	Mike Clem	11-2-80
"	Sr.	6:32	Mike Clem	5-13-82
"	Op.	15:21	Stan Chilton	1-21-83

INDOOR AMA CEILING CATEGORY II

Category	Age	Min/Sec	Held By	Date Set
ROG Stick	Jr.	No record established		
"	Sr.	12:14	Mark Drela	6-12-77
"	Op.	No record established		
Paper Stick	Jr.	8:55	Dave Lindley	3-30-80
	Sr.	14:37	Mark Drela	6-12-77
"	Op.	No record established		
HL Stick	Jr.	No record established		
"	Sr.	22:56	Richard Whitten	6-6-76
"	Op.	26:03	Daniel J. Domina	5-16-82
ROG Cabin	Jr.	8:26	Paul Loucka	4-5-81
	Sr.	7:10	Robert Dunham II	6-18-72
"	Op.	17:49	Robert Randolph	9-16-69
Autogiro	Jr.	No record established		
"	Sr.	No record established		
"	Op.	5:15	Jean Andrews	2-27-83
Helicopter	Jr.	6:20	Joel Foner	4-28-74
"	Sr.	No record established		
"	Op.	No record established		
Ornithopter	Jr.	No record established		
	Sr.	1:10	Mark Trubowitsch	6-14-81
"	Op.	3:53	Patrick Deshaye	10-2-83
HL Glider	Jr.	1:02	B. Scott Wisniewski	4-9-72
"	Sr.	1:21	Bryan Fulmer	3-20-83
"	Op.	1:39	Daniel J. Domina	6-13-82
FAI Indoor	Jr.	No record established		
"	Sr.	22:56	Richard Whitten	6-6-76
"	Op.	26:03	Daniel J. Domina	5-16-82
Penny-Plane	Jr.	8:06	Jon Harlan	5-16-82
	Sr.	9:14	Mark Trubowitsch	8-5-79
"	Op.	10:57	Gordon Wisniewski	3-20-83
Novice Penny-plane	Jr.	8:06	Jon Harlan	5-16-82
	Sr.	No record established		
	Op.	8:50	Thomas Kopriva	10-2-83
Easy B	Jr.	9:04	Robert Skrjanc	3-20-83
"	Sr.	8:50	Tom Croft	1-20-80
"	Op.	15:22	Dick Hardcastle	4-4-82

INDOOR AMA CEILING CATEGORY III

Category	Age	Min/Sec	Held By	Date Set
ROG Stick	Jr.	10:02	Dave Lindley	6-28-80
"	Sr.	11:09	Richard Whitten	6-2-77
"	Op.	17:42	James Richmond	6-24-81
Paper Stick	Jr.	19:04	Paul Loucka	6-12-83
	Sr.	19:34	Tom Sova	7-25-72
"	Op.	27:25	James Richmond	6-23-81
HL Stick	Jr.	20:52	Paul Loucka	6-18-82
"	Sr.	29:31	Richard Whitten	7-30-76
"	Op.	44:43	James Richmond	6-24-79
ROG Cabin	Jr.	15:07	Paul Loucka	6-25-81
	Sr.	15:42	Tom Sova	8-6-73
"	Op.	25:19	Ronald Ganser	6-3-77
Autogiro	Jr.	4:08	Dave Lindley	6-26-80
"	Sr.	5:20	Charles K. Martin	12-29-75
"	Op.	9:03	Larry Loucka	6-16-83
Helicopter	Jr.	3:15	David Aronstein	2-3-80
"	Sr.	4:47	Ronald Ganser, Jr.	8--29-71
"	Op.	9:16	Lew Gitlow	6-26-80
Ornithopter	Jr.	0:25	Chad Curth	6-25-81
	Sr.	No record established		
"	Op.	4:23	Walter Erbach	6-12-83
HL Glider	Jr.	2:10	Darryl Stevens	8-7-77
"	Sr.	2:32	Gary Stevens	8-7-77
"	Op.	2:40	Stanley Stoy	6-22-79
FAI Indoor	Jr.	20:52	Paul Loucka	6-18-82
"	Sr.	29:31	Richard Whitten	7-30-76
"	Op.	39:27	Cezar Banks	6-18-82
Penny-plane	Jr.	12:36	Jeni Jaecks	6-14-83
	Sr.	14:36	Dave Lindley	6-17-82
"	Op.	16:00	Dennis Jaecks	6-14-83
Novice Penny-plane	Jr.	12:24	Aaron Markos	6-15-83
	Sr.	11:41	Mike Van Gorder	6-15-83
	Op.	13:05	Cezar Banks	6-18-83
Easy B	Jr.	17:57	Robert Skrjanc	6-18-82
"	Sr.	17:42	Mike Van Gorder	6-12-83
"	Op.	22:01	Stan Chilton	6-16-83

INDOOR AMA CEILING CATEGORY IV

Category	Age	Min/Sec	Held By	Date Set
ROG Stick	Jr.	12:47	Robert Skrjanc	5-16-82
"	Sr.	15:51	Mark Drela	9-18-77
"	Op.	22:21	James Richmond	8-1-81
Paper Stick	Jr.	15:54	Mike Van Gorder	7-15-79
	Sr.	20:09	Richard Whitten	7-10-76
"	Op.	30:41	James Richmond	8-1-81
HL Stick	Jr.	32:21	Jonathan Harlan	8-14-83
"	Sr.	35:54	Richard Whitten	7-3-77
"	Op.	52:14	James Richmond	8-31-79
ROG Cabin	Jr.	14:35	Jonathan Harlan	8-14-83
	Sr.	19:47	Richard Whitten	8-10-75
"	Op.	33:27	Robert Randolph	7-3-83
Autogiro	Jr.	2:19	Dave Lindley	7-2-78
"	Sr.	2:08	Charles K. Martin	12-29-75
"	Op.	[Corrected record to 8:26.83]	Joseph Bonany	4-30-72
Helicopter	Jr.	1:48	Charles K. Martin	12-29-75
"	Sr.	3:28	Warren Williams	7-19-81
"	Op.	10:07	Jolyn Andrews	8-23-81
Ornithopter	Jr.	1:11	No record established	
"	Sr.	No record established		
"	Op.	3:45	Patrick Deshaye	7-31-83
HL Glider	Jr.	2:07	Steve Wittman	1-27-74
"	Sr.	2:18	Darryl Stevens	12-27-81
"	Op.	2:58	Ron Witman	2-18-73
FAI Indoor	Jr.	32:21	Jonathan Harlan	8-14-83
"	Sr.	35:54	Richard Whitten	7-3-77
"	Op.	47:23	James Richmond	8-31-80
Penny-plane	Jr.	11:05	Marnie Meuser	3-11-79
	Sr.	13:12	Michael Plotzke	9-12-76
"	Op.	17:10	Bob DeBatty	7-3-83
Novice Penny-plane	Jr.	11:05	Marnie Meuser	3-11-79
	Sr.	11:37	Christopher Bowis	6-5-82
	Op.	14:55	Emanuel Radoff	7-22-79
Easy B	Jr.	No record established		
"	Sr.	17:07	Mike Van Gorder	7-5-81
"	Op.	21:15	Mark Drela	9-6-82



MEET 3 - BIGGEST YET!

Well, as I always said, "If you have a really great indoor site, the chances are you will have a really great indoor meet". I know that this seems self- evident, but AMA national HQ has not figured it out yet. We understand that we have a snappy 35 foot high site picked out for us in this summer's Reno Nats. Hey, guys, lets do a little better than that!!

Ellis Oglesby ran a really smooth meet in ski-jump weather (44 degrees on Sat., and about 50 on Sun.) International Minerals and Chemical New Wales plant was host for the second time, and we hope that MIAMA will put Mulberry on the map much as the Little League has made Berwick, Penna. famous. Once more Janet Roth made the arrangements, and we are hoping that we can return again in Februrary....see schedule elsewhere in this issue.

After years of a dearth of glider pilots we were suddenly hit with a blizzard of them, and Don Bal was very nervous as he kept ahead of the field.

Dean McGinnes stirred up some local press interest, and we hope to see a write-up or two in the media, and maybe a little TV? We want all to know how much we appreciate the generosity of IMC. Dean also printed up posters advertizing the event and papered on every phone pole in town.

It is very gratifying to see so many new faces instead of the same old muffins. Not that I don't love those old muffins, but I'm sure readers of this publication, to whom some of the contestants have become household words like John Riggins or Ted Hendricks, will appreciate the new names. We hope the newcomers to indoor will expand their interests...It's a lot of fun, guys and gals. Welcome to the club!! Check results to see how you did.

The FLYING ACES mass launch event, which concludes the contest is also gaining in interest. Dean McGinnes announces that next month the planes will be World War One peanuts. Tissue covered on both sides, Hand L.

We are sending this issue of the HANGAR PILOT TO All contestants in the hopes that some of you will subscribe to keep up with free flight activity in USA, and particularly INDOOR!!! We also heartily recommend Florida Modelers Association published by Terry Rimert, and the National Free Flight Association. Also Bud Tenny's Nat. Indoor Model Airplane Soc.

With a drive of over four hours from Miami, there is a tendency to stay home, but what can be better? Let's face it, that SUPER BOWL GAME WAS A SUPER BORE!! Yawn, snore...The Redskins really stunk up the place which we are supposed to believe was due to the incredible skill of the Raiders, who played only an average, lackluster game. This account is not seen on the sports pages. Indoor is a lot more exciting than THAT !!

In scale flying we keep a complete file of models that have been judged, and their static score to save the judge the time of checking over the same plane month after month. If you have recovered, or repaired, or added details, or changed yours in any way, please resubmit it for judging. Otherwise we will use last month's static score. This meet Terry Rimert got very ambitious and did a complete judging of almost the entire field, and these contest results reflect his hard work. Thanks, Terry.

LATE NEWS - IMC WILL NOT HOST ANOTHER MEET "UNTIL APRIL".

③ MEET 3 RESULTS

ELLIS OGLESBY – C. D.

INTERNATIONAL MIN. + CHEM.
NEW WALES JAN. 21-22 1984
44° F. JANET ROTH, IMC PUBLICITY

PEANUT SCALE EVENT:

1. Duncan McBride 4Points(Demoselle 29) 3 Static,1 Flight (59.8)(68.5)
2. John Martin 6Pts.(Ansaldo SVA3 30.5) 1 Static,5 Flight (53.2)(60.0)
3. Walt Everson 10Pts.(Found 25.5) 8 static,2 flight (61.9)(64.6)
4. Millard Wells 12Pts. (Curtiss Tripe 28)4 Stat., 8 Fly (41.5)(42.3)
5. Herb Redding 12 Pts.(Folkerts SK-3 27.5)5 Stat.,7 Fly (49.2)(42.3)
6. George Loeffler 13Pts.(Currie Wot 30) 2 Stat.,11 Fly (33.1)(31.6)
X. Millard Wells 14 Pts.(Eastbourne 22.5) 11 Stat.,3 Fly (52)(74.2)
X. Walt Everson 15 Pts(Waco SRE 25) 9 Static,6 Flight (49.5)(48.2)
7. Dean McGinnes 16 Pts.(Russian IS-3 20.0)12 Stat.,4 fly (60.0)(64.0)
X. George Loeffler 18 Pts.(Mustang 25) 9 Static,9 Fly (44.3)(34.5)
8. Frank Mock 22 Points(J-3 Cub 20.0)12 Static,10 Fly (34.0)(37.0)

Did Not Fly: Dean McGinnes, Jodel 27.0, Phil Bayly Piper Cub, 17.5, Lubomir Koutny, Kingfisher, 25.5, M. Wells, Aeronca, 27.5

KIT/PLAN SCALE EVENT: (Max flight time-no more than static score)

1. John Martin (Curtiss Robin) Stat.:68, fly: 68,...68. Total 204
2. Millard Wells (Eastbourne Mono.) Stat.:65, Fly....65, 62.4 192.4
3. Dean McGinnes (Jodel D-9,) Stat.:93, Fly 48....48 189
4. George Loeffler, (Comper Swift:) 60 Stat. Fly...60, ..53.0 173
5. Frank Mock, (J-3 Cub) Stat.:90,... Fly..37.5, ...34.0 .. 161.5
6. Herb Redding (Folkerts SK-3,) 98 Stat.,.Fly..12.7 ..X 110.7
7. Joel Conlee (RWD-6) 75 Stat., Fly..16.4,...17.2... 108.6
8. Charles Sheppard (Cessna C-37) 61 Stat., Fly ..20,... 20.. 101.0

FLYING ACES BIPLANE MASS LAUNCH:

1. Herb Redding (Waco SRE)
2. Duncan McBride (Laird Racer)
3. Millard Wells (Waco SRE)
4. Dean McGinnes (Sorrel)
5. Jim Stewart (Nakajima 90)
6. John Martin (Ansaldo)

EASY B:

1. Dick Obarski 11:24.4
2. Jim Stewart 8:13
3. Duncan McBride 7:38
4. Walt Everson 2:45

MANHATTAN/BOSTONIAN EVENT:

1. Walt Everson 5:25, 325
2. Ellis Oglesby 4:38, 278
3. Millard Wells 3:57, 237
4. M. Wells (Bost.) 1:14, 1:53, 216 (Charisma 1.6) BOSTON CUB
5. J. Martin (Bost.) 1:29, 1:31, 207 (Charisma 1.5) BOSTON KOMET

HL GLIDER RESULTS:

1. Don Bal 98.2
2. Jim Smead 94.6
3. Mike Mock 92.5
4. Bill Smead 92.0
5. Phil Bayly 84.1
6. T. Rimert 78.0
8. Jim Stewart 51.2
7. LEE CAMPBELL 55.8

Juniors:

1. Dave Bal 48.1
2. Jason Avera 44.8
3. Shawn Thiess 34.7
4. Steve Bal 32.2
5. Allison Campbell 6.8

JUNIOR PLASTIC PROP ENDURANCE EVENT:

1. A. Campbell 25.9
2. Jason Avera 25.6

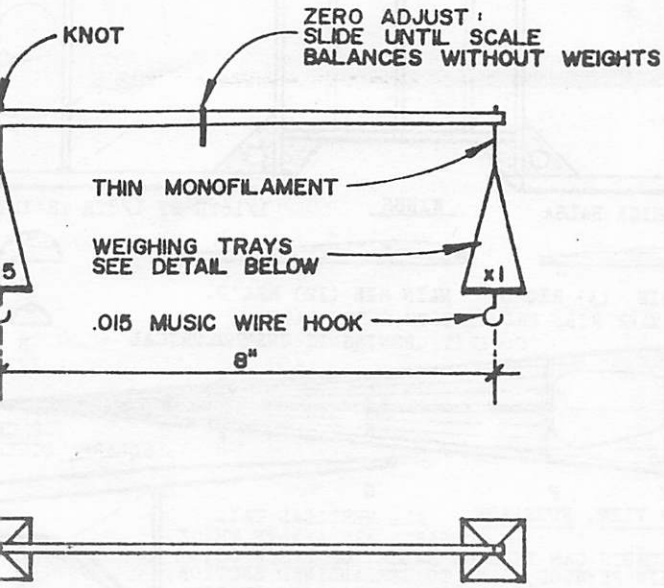
JR: PROFILE SCALE

No entries.

CLASS A. R.O.G. EVENT:

1. WALT EVERSON 7:01
2. DUNCAN MCBRIDE 2:05
3. LEE CAMPBELL 1:42.9

BIGGEST STATE MEET EVER. 20 ENTRIES FLEW 5 EVENTS INDOOR ISN'T FOR EVERY ONE.



WEIGHTS:
MADE FROM COPPER WIRE
USE TWO:
(1) .010 OZ. & (1) .020 OZ.
PERMITS WEIGHING FROM .0001 OZ.
TO .1000 OZ. (CAN RESOLVE EVEN LESS)

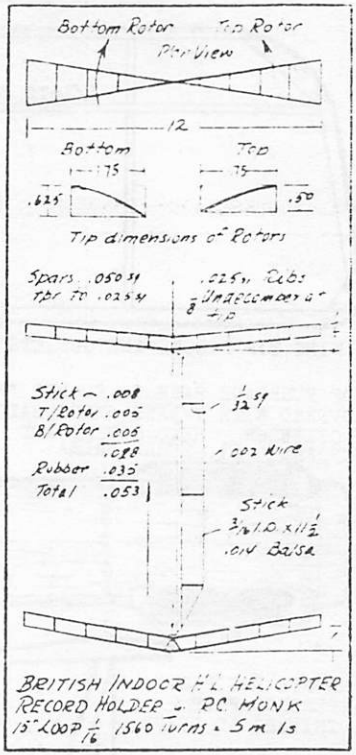
IMPORTANT NOTES:

1. DO NOT SET UP SCALE IN A DRAFTY AREA
2. ALWAYS CHECK ZERO ADJUST BEFORE CRITICAL WEIGHING

Orbiteers

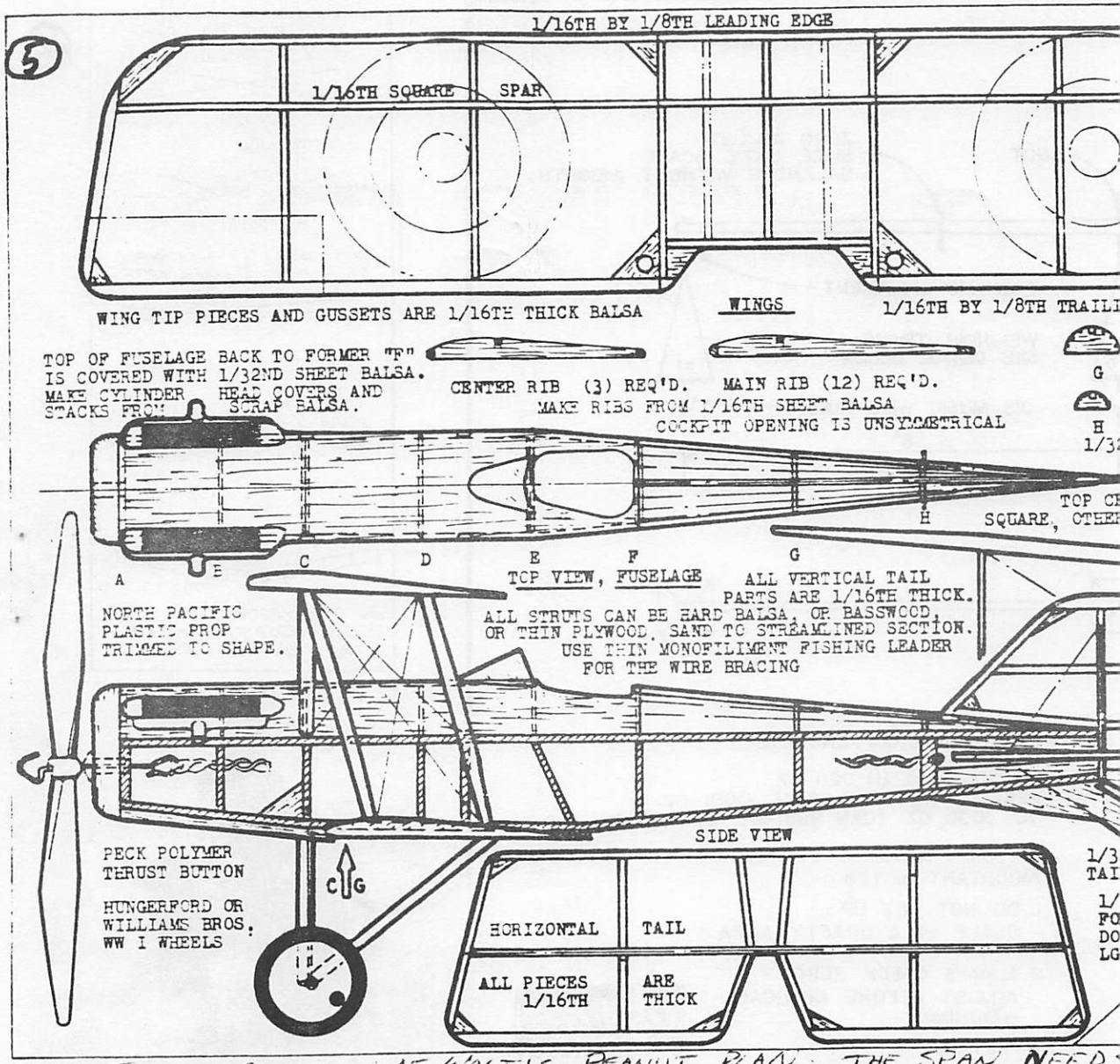
ndoor Scale

CEZAR BANKS



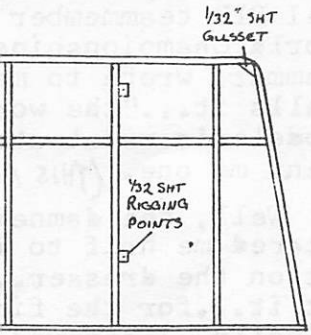


Joel Combee of Lakeland ROG's his Nesmith Cougar

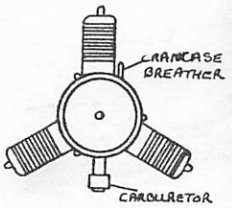


THIS IS A REDUCTION OF WALT'S PEANUT PLAN. THE SPAN NEEDS

NEXT MEET (MIAMA MEET #4) MIAMI, FLA.
MIAMI/DADE SOUTH COLLEGE 9-5 (27' CEILING)
NOT AT LAKELAND AS WE HAD HOPED!
FEB 26 SEE P. 14 FOR SCHEDULE.
CONFIRM: 305-858-6363



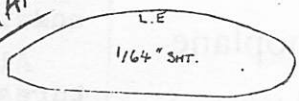
ENGINE DETAIL
35 H.P ANZANI



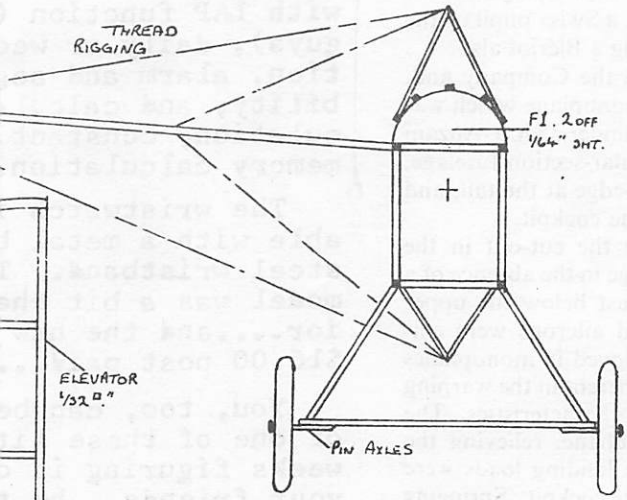
CONSTRUCT CRANKCASE FROM 1/32" SHT TUBE. DRAW COOLING FINS ON XEROX PAPER AND WRAP AROUND BALSA DOWELS TO FORM CYLINDERS



3 1/4" DIAM.

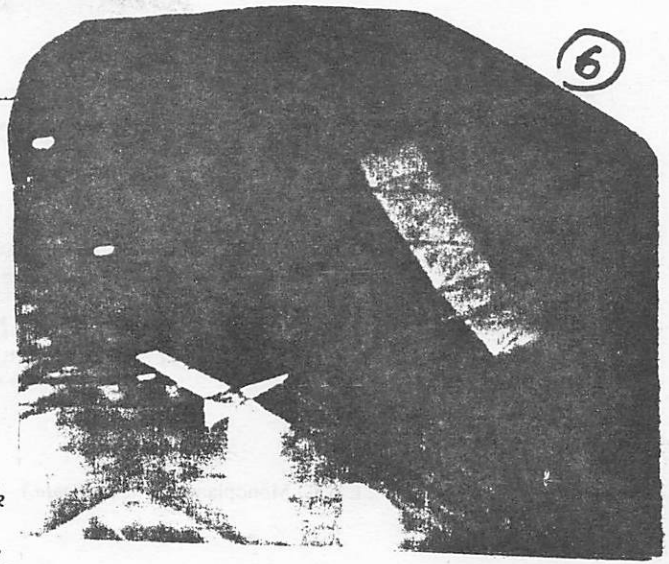


PROP BLADE. PITCH ANGLE 30° AT 1" DIAMETER. PROP SPAR FROM MATCHSTICK SANDED TO 1/16" DIA.



ALL COVERING: CONDENSER PAPER. WINGS AND ELEVATOR ARE SINGLE SURFACE ONLY

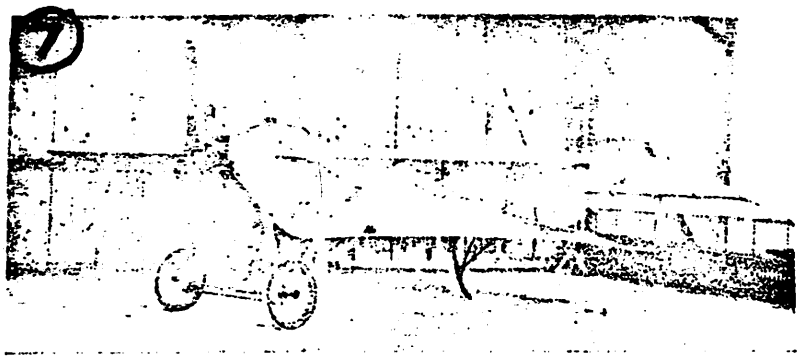
NOTE: ALL WOOD IS INDOOR QUALITY BALSA UNLESS SPECIFIED OTHERWISE.



Mike Arak's Easy B begins a long, slow climb.



That's all there is to it, Ellis, just toss it up in the air, and it takes a long time to come down. Don Bal of Miami gives some secrets to winning hand launch glider to Ellis Oglesby.



E.A.C. Monoplane. (*'Flight' Photo.*)

Eastbourne Aviation Company Monoplane

The E.A.C. Monoplane was the first of four designs to be built by the Eastbourne Aviation Company of Eastbourne, Sussex, which was founded by F. B. Fowler, who took his Royal Aero Club Aviator's Certificate No. 175 on 16th January, 1912, flying one of his own flying-school's Blériots. On 29th October, 1912, Mons. E. L. Gassler, a Swiss pupil of the school, passed the tests for his certificate No. 350 using a Blériot also.

An interest in designing led Emile Gassler to join the Company and, assisted by Fowler, he drew up a single-seat tractor monoplane which was built during 1913. The engine chosen was the three-cylinder 35 h.p. Anzani radial, which was mounted on the nose of a rectangular-section fuselage, the deep belly of which tapered to a horizontal knife-edge at the tail, and which was metal-covered as far back as the rear of the cockpit.

A one-piece elevator was fitted, operating below the cut-out in the rudder, which was strut-braced to the top of the fuselage in the absence of a fixed fin. The parallel-chord wings were mounted just below the upper longerons, and were unusual in that inter-connected ailerons were embodied in place of the warping more commonly employed in monoplanes at that time, and this eliminated the twisting strains inherent in the warping system. The result was a great improvement in flying characteristics. The flying wires were connected to an under-fuselage cabane, relieving the undercarriage of such additional stresses, while the landing loads were taken by the wires supported by the struts in front of the cockpit. Springing of the undercarriage axle was devised by allowing it to move vertically in slots cut in the vee-struts against rubber cord in tension. The Anzani engine drove a Rapid propeller of 7 ft. diameter. The machine was very pleasant to fly; anticipated private orders were prevented by the War

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FAI FlD teammember
World Championship
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sent me one. (THIS N

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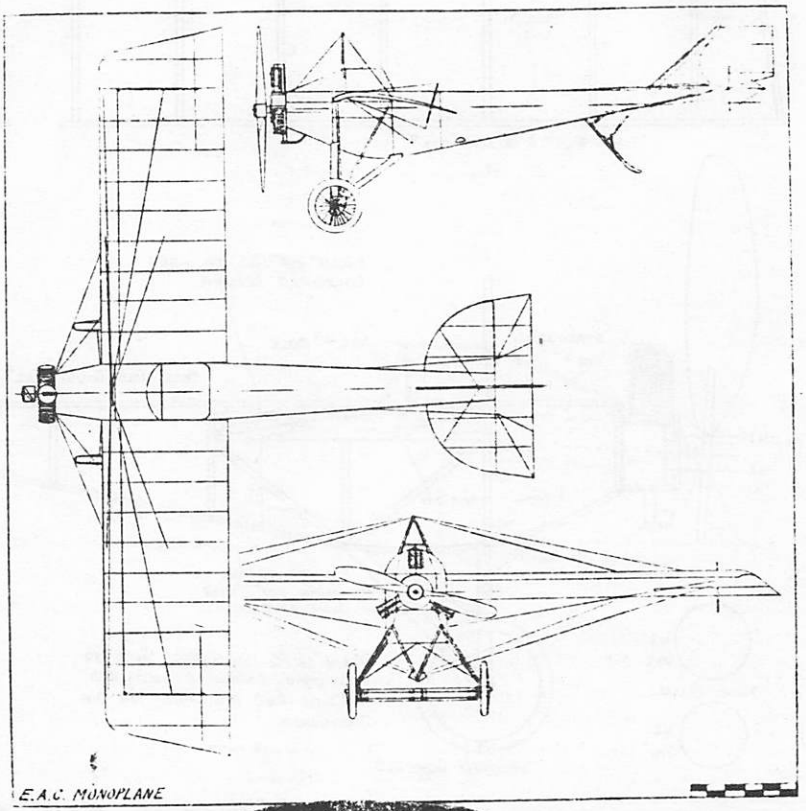
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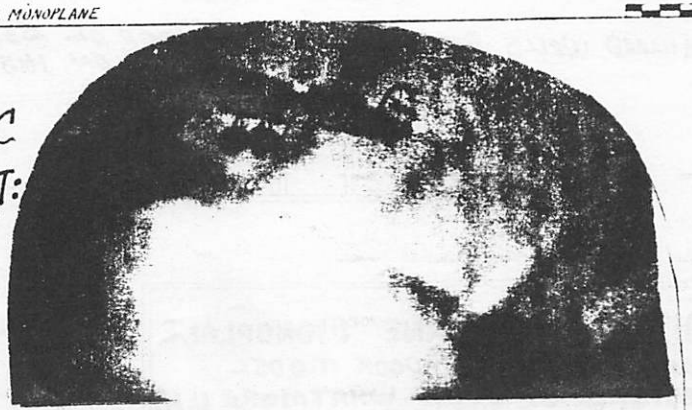
SPECIFICATION

Type: Single-seat tractor monoplane. Wooden structure, fabric covered.
Manufacturers: Eastbourne Aviation Co. Ltd., Eastbourne, Sussex.
Power Plant: 35 h.p. Anzani.
Dimensions: Span, 29 ft. 2 ins. Length, 21 ft. Wing area, 135 sq. ft.
Performance: Cruising speed, 50 m.p.h.

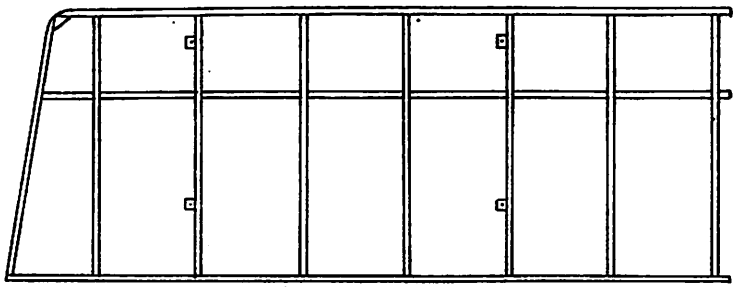
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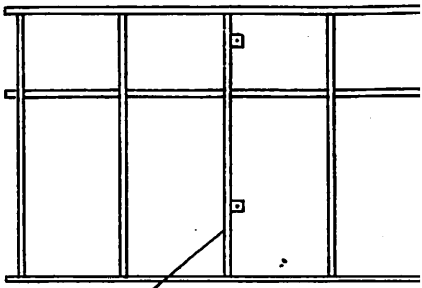


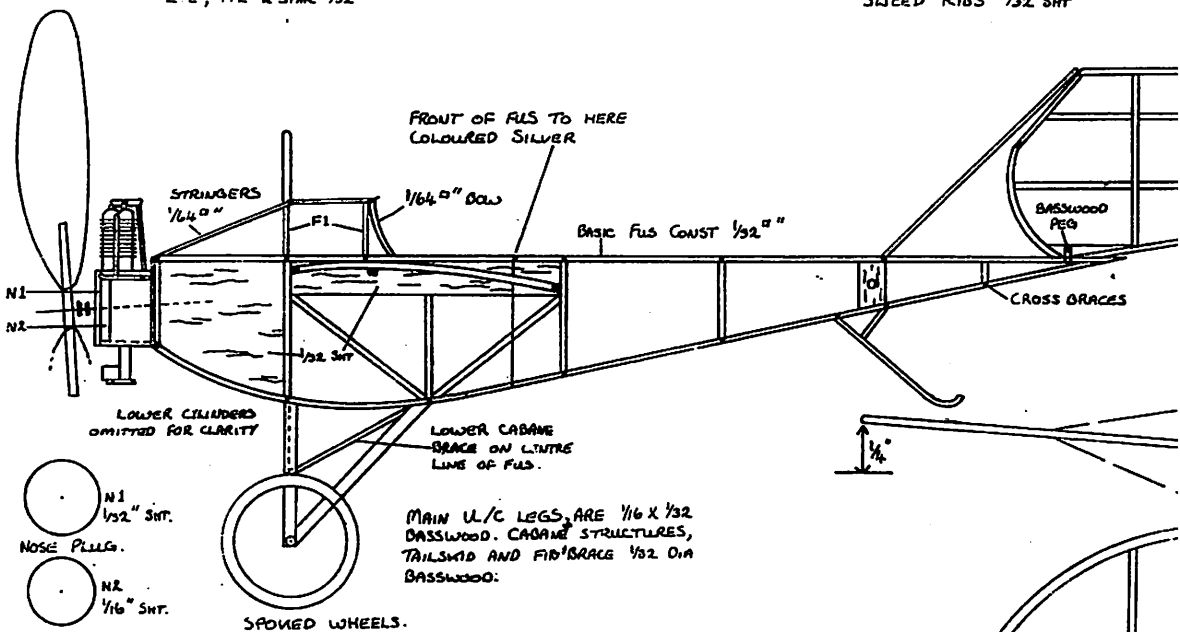
IMC MEET:



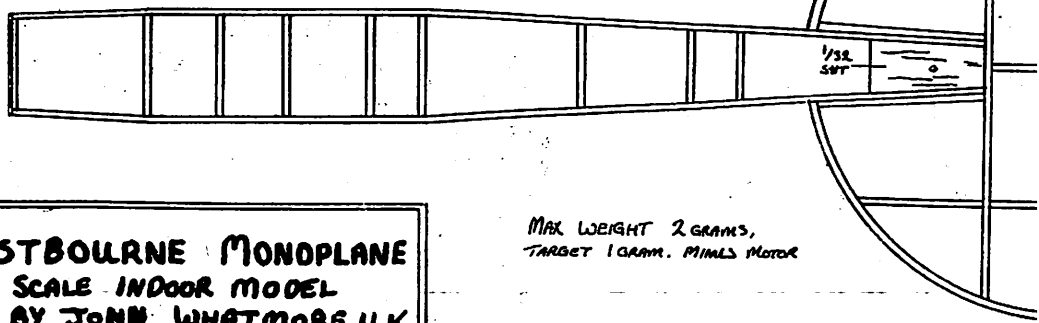
A flight shot of Rick Midkiff's Travel Air







MILLARD WELLS RECOMMENDS A 10" LOOP OF .035 AS HE HAD ON HIS CAVDRON



1913 EASTBOURNE MONOPLANE
GRAPENUT SCALE INDOOR MODEL
DESIGNED BY JOHN WHATMORE U.K.

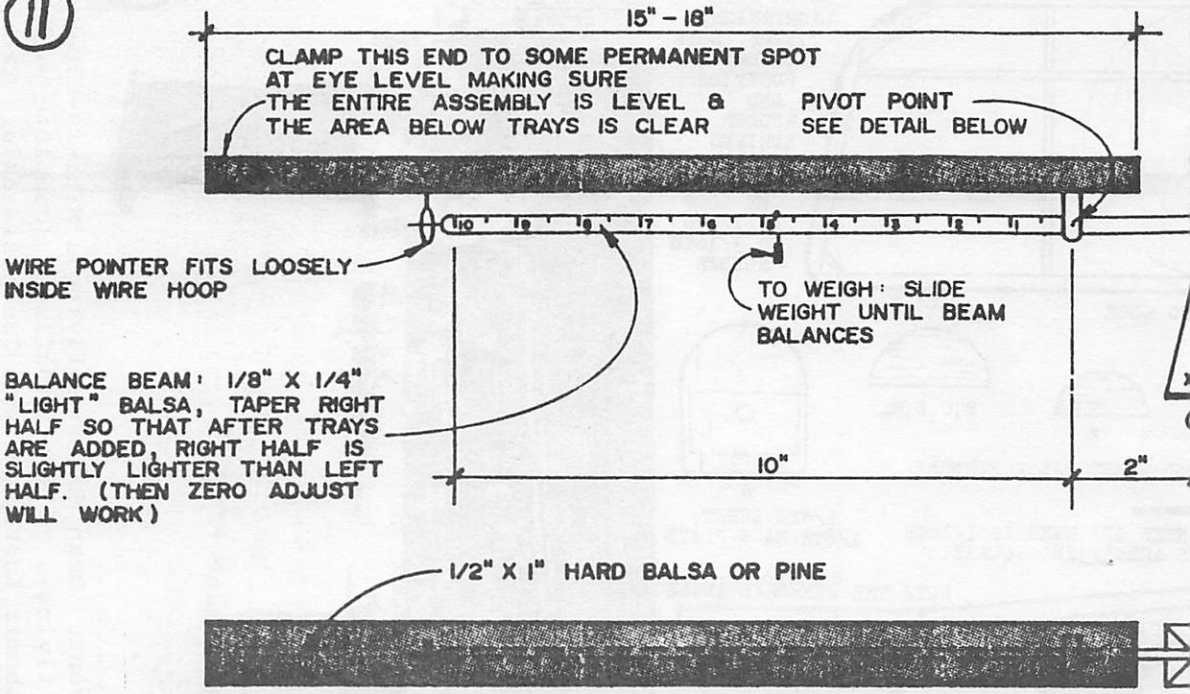
MAX WEIGHT 2 GRAMS, TARGET 1 GRAM. MIMIS MOTOR

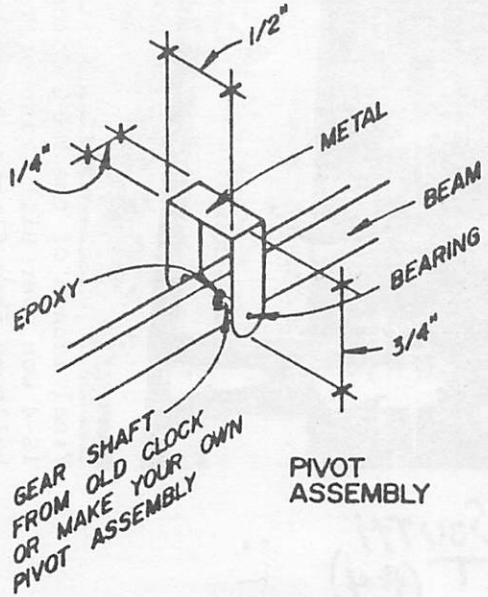
Final launch of the WW-2 Combat event. Dean McGinnes flying a Nitikin-Schevenko IS-4 won over Bill Criss of Tampa flying a US Navy Kingfisher (complete with hollowed foam floats) built by Loubomir Kuotny of Brno Czechoslavakia. Terry Rimert on extreme right was the official. Dean is the one on the left, Bill is in the center. Sorry for the grainy photo guys.

SUN. FEB 26 9-5 M/D SOUTH COLLEGE - NEXT MEET (#4)

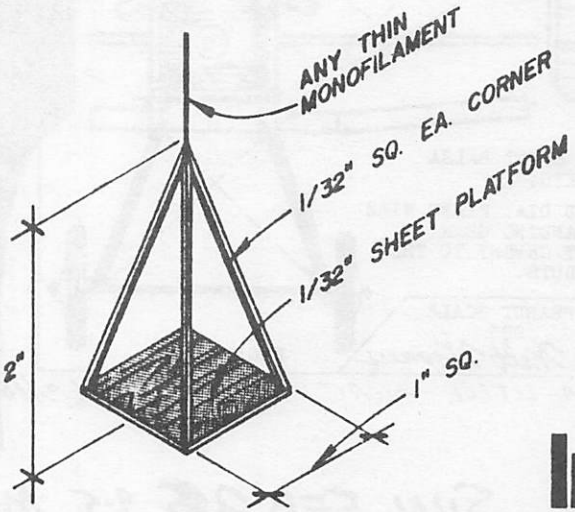
(MANY SCHEDULE CHANGES -) SEE P. 14

IMC MEET:





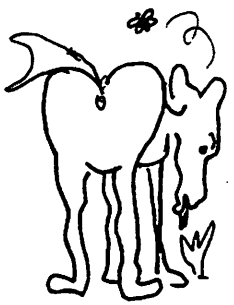
PIVOT ASSEMBLY



WEIGHING TRAY
BUILD "LIGHT"

DRAWN BY: BILL BOOTH JR.

FROM "EL TORBELLINO"



FROM THE HORSES MOUTH

AND OTHER ORIFICES

by S. Fox

Here is the latest on West Baden:

Mr. Gene MacDonald, the new owner, is spending eight million bucks between now and June to renovate the old hotel. The small shops that surround the atrium floor have been leased out to posh botiques, and gift shops. There will be air conditioning installed. The room rates are $102.00 per nite, American plan, which includes all your meals. There is no way he can exclude patrons from the atrium floor, nor can we mask off draughts with plastic sheets. After all this I think your enthusiasm for the site has tapered off a bit, as has that of we who were hoping to return. As t-shirted grubby indoor modelers it looks like we no longer fit in with the swank continental atmosphere.

So, now what do we do? Lucky for you we are tricky and resourceful, Tony Italiano has a line on Burton Collisium in Lake Charles, and Doc has asked the ever genial GOODYEAR people in Ohio for the use of their Blimp Hangar in Spring, Texas,(North of Houston) that was in use in the Bicentennial year of 1976 for the 50th Nats. The latter site is over 90 feet, and the prospects look good. You will be informed as soon as we know. We are still planning on the date for indoor week from Dad's day June 17 to Sat. June 23. The foremat will be the same as in the past...U.S. Indoor Champs, Followed by the Ninart record trials, followed by the Fifth 24 hour World Peanut Grand Prix. Plan your VACATION NOW.

Another downer, bummer, is that the Opa-Locka Blimp Hangar is again leased out till mid summer and we have returned to Miami Dade South College for many of the dates. We are all delighted with the Lakeland site. We won't be returning to Lakeland until April or May....see the revised indoor schedule on page 14, this issue. Many details of this season are still up in the air, including INDOOR WEEK details.

As you can see from the above, the planning for meets is in constant flux, and turmoil. As much as we plan, we are always confronted with CHANGE. We have always aked you to confirm meets the night before by checking 305-858-6363. Dan Kilgore knows this, but two weeks ago, when we had to cancel the Opa Locka meet he cme down from Lauderdale with Bill Noonan of Cal., and Dave Platt only to find no meet. Jim Stewart and Dick Kelso are two others we know of who showed...no meet.

We have new AMA peanut rules, written by Jim Miller, Based on the MIAMA rules we have been flying for 13 years, and passed unanimously by AMA. If we ever get the 1984/85 rule book we will know these rules.

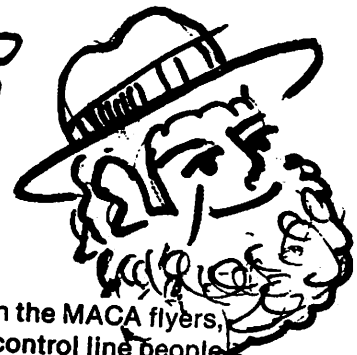
We have gotten a lot of interestin' letters here in the Sunshine Sqdn. HQ, but haven't had the room to print 'em. We are running out of other material, gents, so send it in. We need CO2 data for a special issue!

TONY SUTTER - HOW ABOUT AN INDOOR CO2 INDURANCE ARTICLE?

* See Page 14 for Schedule.

OUR MAN OUTSIDE

by Terry Rivert



ODDS AND ENDS

At the 1983 Nats, during the AMA presidents meeting with the MACA flyers, and then again a bit during the general meeting, a lot of control line people explained to the president and executive council why it would be best to have the Control Line World Champs at Reno the week before the Nats this year. People from other countrys would be a lot more inclined to pay the tariff to come here if they could enter another prestigius contest besides the world champs, and a lot of the world champs teams buddies would come along, because they could enter the Nats, even if they couldn't fly in the World Champs. A lot more control line enthusiasts would go to Reno to take in the world champs, and stay to compete in the Nats. Since a lot of control line flyers are going to Reno for the Nats anyway, it would be pretty easy to get some to show up early to run the world champs. Finding a crew to run things is a real hasstle a lot of times. And makeing arrangements for two contests in one spot in two weeks, would be a lot easier than makeing arrangements for two contests a month apart, and 3000 miles apart.

So guess what happened. Right! They are going to have the two contests a month apart, 3000 miles apart, and are going to have to pay AMA headquarters officials two round trip tickets, drag that contest gear an extra thousand miles or so, arrange two seperate bunches of rooms, contest officials, etc., etc.,etc.

Like I said last month, write your AMA officials and tell them what you want them to do. As you can see from above, it takes more than 25 or 30 regular members who are experts in their field, to sway the vote of 3 or 4 council members that don't know anything except to push for things to happen in their district whether its good for AMA or not. They don't know enough about control line to know what they are doing. The same is true of indoor, and the same thing will happen to indoor flyers, and free flight outdoor types too.

Write your vice president and tell him what to do.

Do you know that the vice presidents, president, contest board members, contest coordinators, and a few other varius AMA officials get free magazines, mailed to them by first class mail at the first class rate of $2.07 apiece? I don't mind them getting free magazines, but I sure can't see the use in spending $500 or $600 extra postage every month to mail the magazines to these people. Write your vice president and tell him what to do. ASK YOUR VP WHO PICKED OUT THE INDOOR SITE IN RENO (ED.)

ANNUAL POINTS AFTER 3 MEETS:

A reminder as to what this is all about: The following list of points is just the total of those earned by MIAMA contestants so far. We have had three of the scheduled seven meets. We count your best performance in four of these meets, so even those who have not flown yet can still get max points if you enter the last four meets. The list below has point totals from those who have flown in one, two, or all three meets. You can be sure that those with a lot of points have flown all three meets so don't be discouraged. We give trophies to the winners and runner up in all classes, and the points earned here will be listed in the next issue. You earn an annual point for each event you officially fly, plus an additional point for each contestant you beat. Here are the point totals so far:

1.	John Martin	39
2.	Millard Wells	29
3.	Walt Everson	20
4.	Dick Obarski	16
5.	Don Bal	15
6.	Sean McGinnes	14
8.	Dave Linstrum	13
	Jim Stewart	13
10.	Duncan McBride	12
	Mike Arak	12
12.	Bill Criss	11
13.	Dave Bal (Jr.)	9
14.	Ellis Oglesby	8
	George Loeffler	8
	Lubomir Koutny	8
17.	Herb Redding	7
	Bill Erwin	7
	Jim Smead	7
20.	Mike Mock	6
	Terry Rimert	6
	Ron Sharpton	6
	Jason Avera (Jr.)	6
24.	Phil Bayly	5
	J. Combee	5
26.	Blake Oliver	4
	Steve Bal (Jr.)	4
28.	Lee Campbell	3
	Sharon Theiss(Jr)	3
	Rick Midkiff	3
31.	Ed Shaw	2
	Allison Campbell(Jr)	2
33.	Charles Sheppard	1
	SUSAN ARAK	1

Dave Kiefer Also 14

LOOK, LOOK: NEW FLYING DATES, ALL CHANGED!

1. NO BLIMP HANGAR - OPA LOCKA
2. NO WEST PBADEN
3. NO LAKELAND UNTIL MAY! (MAYBE APRIL)

INDOOR MEET 4 - MIAMI/DADE SOUTH COLLEGE 9-5 - NOT AT LAKELAND FEB 25

INDOOR MEET 5 M/D SOUTH COLLEGE 9-5 - PREVIOUSLY LISTED AS THE SUN + FUN FLY IN MEET - SORRY, NO MARCH 18, 9 TO 5 (DON'T ASK)

APRIL 29 - INDOOR MEET 6 9-5 MIMI/DADE SOUTH COLLEGE

ALSO BILL SMEAD -5

THERE IS A POSSIBILITY OF A LAKELAND MEET IN APRIL

MAY 13 - FIRST WORLD PISTACHIO PROXY GRAND PRIX - M/D SOUTH

MAY 19 + 20 IMC, MIAMA LAST INDOOR MEET (#7) 9-5 SAT + SUN WWI peanut mass fly-off.



DEC. '83 IMC MEET



Dave Linstrum, VTO Free Flight columnist for Model Airplane News instructs IMC employee J. L. Touchton in the ins and outs of indoor freeflight. New convert launches model for a fine flight on right. Mr. Toudhton spent the whole weekend with us, and was especially helpful retrieving models stuck on the conveyor 70 feet up!

THE LATEST INDOOR NEWS INSIDE

THE HANGAR PILOT

EDITOR: DR. JOHN B. MARTIN MIAMA

2180 TIGERTAIL MIAMI FLORIDA 33133

SEND IN YOUR QUESTIONNAIRES FROM ISSUE 1/88!

TO:

1ST CLASS

NOT JUNQUE MAIL