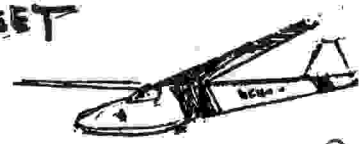
STILL SLOPPY LOOKING

THE HANGAR PILOT

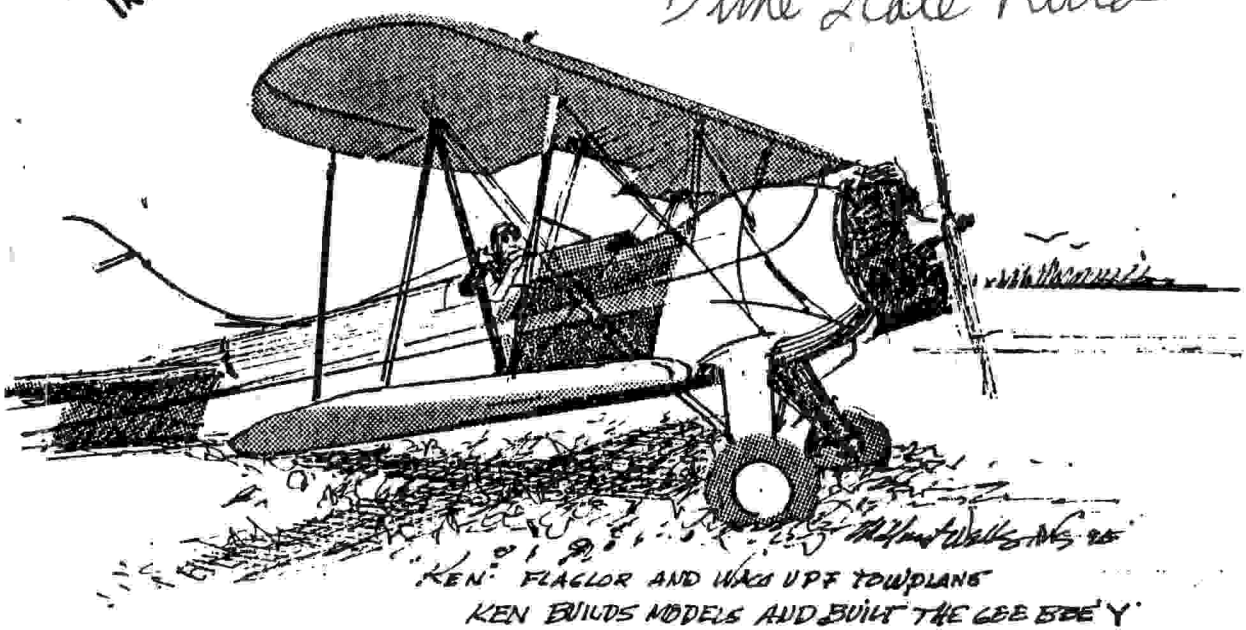
ISSUE 170

24TH YEAR OF PUBLICATION
INDOOR ISN'T FOR EVERYONE

- RESULTS - MIAMA MEET 4
- 2 LEGAL EAGLES
  DAVE LINSTRUM'S MISTRIAL
  CARL HEDLEY'S PIPER PAPERCHASE
- SLATER MEET



Dime Scale Rules



KEN FLAGLOR AND WAS UPF TOWPLANE
KEN BUILDS MODELS AND BUILT THE GEE BEE 'Y'

BIG JOHNSON CITY UPDATE - PAGE 12

NEXT MIAMA MEET MACDILL MARCH 25,26

NEXT LOCAL MEET - MIAMI/DADE S. COLLEGE APRIL 8



"LIKE A LETTER FROM HOME" Whelan

THE HANGER PILOT

The Hanger Pilot, edited by John Martin Jr., who is solely responsible for its content, is published 8 or 9 times a season for bunch of middle aged guys who refuse to grow up. MIAMA (Miami Indoor Aircraft Model Association) - AMA club 906. One of two active all indoor free flight clubs in AMA. For a mere $12.50 you will receive all of the published issues that year. We encourage reader contributions because, frankly, we need the material. Letters, plans, I-views, complaints, gripes and compliments to: Dr.John Martin Jr., President / Editor, 2180 Tigertail Ave., Miami, FL 33133 USA. phone: 305-858-6363.

MIAMA MACDILL MEET 4 REPORT

THERE I sat like a bump on a log. Half way through a roaring, four week cold the five hour drive from Miami to Tampa left me exhausted. So your C/D just sat. I made about ten flights in two days. Meet 4 was a good meet, but all I did was doze.

The story of meet 4 was JOHN BARKER going wild and winning 1st in 5 events for his best meet ever.. Sidney Gilbert set a new State Pistachio Model of a Model record. The four FAC Kanones went to Gilbert,Miller,Obarski, and Barker. We thank VTO Linstrum for his "Hot Cakes" added event and his donation of framed art work awards..Results on bottom of P.2

Get your Ansaldos and WW IIs ready for the March 25.26 Meet.

THE MINI-STICK CONTROVERSY, DELTA MEET 3 1/1/95

MORE ON MEET 3

A couple of days after the Delta-King Orange, I recieved phone call from Walter Van Gorder stating that someone had a "torque burner" on his mini-stick and therfore was illegal to fly.

After several phone calls with those involved, I reread the mini-stick rules that the MIAMA Club uses which reads in part: "NO V.P. or V.D. props or 'torque burners' are to (sic) used (keep it low tech)", Hanger Pilot issue #161, page 11.

The rules do not say that a "torque burner" cannot be on the plane, only that it cannot be used. Therefore, my decision is that the plane was legal according to the MIAMA rules.

Walter Van Gorder did not agree with my decision because he felt he was beaten by an illegal plane with a "torque burner" and requested that his time in mini-stick be nullified.

Don Brimmer, Sunday C.D.

DIME SCALERS : LA LA LAND ELERTS FAC BAY STATE SQDN.
Send Results: MIKE NASSISE 22 GREENFIELD ST SOUTHEASTON MA 02375

Speaking of the next postal contest, it will be for Oldtime Kit/Plan Models (aka Ten Centers) with a maximum span of 20". The contest will run through May 31, 1995 and feature two divisions, Outdoor and Indoor. Let's get those cloud/ceiling-cuddlers airborne, squadroneers. Send in as many times as you like, on as many ships as you care to fly, and we'll keep track of all the action here at the old command hut. Fly . . . win . . . EFF. . . AAA. . . CEEEEE!!!!!!

FROM TAILSPIN

MIAMA INDOOR MEET 4 FEB 11,12 1995 C/D DOC (2)

AMA PEANUT SCALE:

1. Sidney Gilbert	Lacey M-10	86.2	1:43	1:47 Max.	172.4
2.Doc Martin	Astra	89.0	1:26	1:21	164.0
3.Jim Miller	P.A.M.A.	82.0	1:21	1:26 Max)	163.5
4.Millard Wells	Eastbourne Mono	78	1:10	1:07	146.5
X " " "	Pietenpol	82	1:ol	1:06	145.5
X, Jim Miller	14-Bis	97.0	:48	:54	148
X. Millard Wells	Huntington H-12	72.6	1:10	1:07	145.2
5. Walt Schlesinger	Cougar	82	:38	:36	119

FLYING ACES SCALE:

L.Jim Miller	Martin MO-1	58.5	1:38 (79)	137.9
2.Millard Wells	Fokker D-Vii	71	:52	123
3,Don Brimmer	Lacey M-10	58	1:07 (63.5)	121.5
4.Sidney Gilbert	Comper	52.5	1:13 (66.5)	119.0
XM, Wells	Curtiss Falcon	60.5	:49	109.5
5.Don Brimmer	Cessna	58	:42	100.0
6. John Low	Fairchild 22	55	:38.7	93.7
7.Walt Schlesinger	Lep. Moth	57	:35	92

AMA PENNY, LIMITED

1. John Barker	9:34
2. Dick Obarski	8:19

AMA Easy B

1.Dick Obarski	15:29.5

MINI STICK

1. John Barker	8:27
2.D. Obarski	7:50
3. C. Johnson	7:13

MIAMA PISTACHIO SCALE:Stat

1.Ric Choate	Citabria	1	1:18	2	3
2.Doc Martin	Goldwing	2	1:26	1	3 Retired,2 wins.
3.Dave Linstrum	Dornier K. 1		1:01	3	4
4.Don Brimmer	Fike	1	:36	5	6
5.Sid Gilbert	Fike	3	:40	4	7
X.Doc Martin	Messer.M-20	3	:28	7	10

LEGAL EAGLE EVENT
3 ROG Flights-all count

1.John Barker	Scimitar LE 489
2.Carl Hedley	P.Paperchase 389
3.Dave Linstrum	Hanging Judge 309
X. " "	" Mistrial 309
4.T,Longstreth	Miscarriage 127

PISTACHIO MODEL OF A MODEL (Pussy Cat event)

1.Sidney Gilbert	P.C.	1:55.4	NEW STATE RECORD
2.Don Brimmer	P.C.	1:30	
3,Dave Linstrum	P.C	1:25	
4.Charlie Johnson	P.C.	1:18	
X.Dave L. Mike Farting		:58	
5.W.Schlesinger	P.C.	:45	

MIAMA COCONUT EVENT

1.Dave Linstrum	Pilatus :57.5
2.Ric Choate	Found :53
3.Doc Martin	Goldwing :40
4.Walt Schlesinger	Hi-Max :26

FLYING ACES EMBRYO ENDURANCE

1.John Barker	Swordfish II	373
2.Don Brimmer	Hornet	350
3.Earl Thomas		300
4.Sidney Gilbert	Top Banana	252
5.Walt Schlesinger	12½¢	122

MIAMA DIME SCALE EVENT: Best 3 of unlim. flights

1.Dick Obarski	Comet Curtiss Robin	269
2.Charlie Johnson	" " "	226
2.TIE Ric Choate	" " "	226
4.Millard Wells	Megow Doaglas Obser.	167
5.Don Brimmer	Cessna	141
X.Millard Wells	Comet Curtiss Falcon	139
6,Dave Linstrum	Megow Puss Moth	124
7.Walt Schlesinger	Megow Nieuport 17	76

AMA BOSTONIAN EVENT

1.John Barker	Scimitar III	1.12	414.4
2.Dick Obarski	Gen D150	1.10	363.0
3.Carl Hedley	7-Up	1.11	267.5
TIE 3.Sidney Gilbert	6of 7	1.11	267.5
5. Earl Thomas	Basic B.	1.1o	262.9
6.Don Brimmer	Ugly	1.10	237.6
7.Walt Schlesinger	Ugly	1.10	140

FLYING ACES NO-CAL SCALE

1.Dick Obarski	Farman Postal	2:53 RETIRED
2.John Voorhees	Cessna Card.	Two Wins 2:32
3.Sidney Gilbert	Finnaire	2:13
4.Carl Hedley	Zero	2:09
5.Don Brimmer	B-70	47
6.Walt Schlessinger	Avia	:35

CATAPULT GLIDER

1. Don Brimmer	88

MASS LAUNCH

FLYING ACES MASS LAUNCH Raceplanes

1.Sidney Gilbert Comper
2.Millard Wells
3.Walt Schlesinger
4.Doc Martin

PEANUT MASS LAUNCH

1.Millard Wells
2.Doc Martin
3.Don Brimmer
4.Walt Schlesinger
5.Carl Hedley
6.Jake Larson
7.Sidney Gilbert
8.Jim Miller
9.Dave Linstrum

COCONUT MASS LAUNCH

1.Dave Linstrum
2.Ric Choate
3.Millard Wells
4.Doc Martin
5.Walt Schlesinger

HOT CAKES

DAVE LINSTRUM SPONSORED A "HOT CAKES" CATAPULT GLIDER EVENT AND GENEROUSLY DONATED FRAMED ORIGINAL ART.. FROM HANGAR PILOT,S COVERS.
WON BY WALT SCHLESINGER, WITH JEAN THOMAS SECOND.

③ FLORIDA STATE RECORDS AS OF FEB. 1995 ③

CATAGORY I (Up to 26' 3") Set at Youth Fair + CHARLES SLATERS

PEANUT: Millard Wells	129.8	(4/92) Curtiss P-40
COCONUT: John LeBlanc	1:05	11/89 Longster
FAC Scale: Dave Linstrum	119.5	4/92 Daphne
PISTACHIO" Doc Martin	1/14/95	Goldwing 1:38.9
NO-CAL SCALE:Dave Linstrum	2:29.2	4/92 Farman Post.
LIMITED PENNY: Nancy Beitz	7:59	5/89
EASY B: Stan Chilton	12:43	2/86
H.L. STICK: Roman Szymula	14:35	10/74
ROG Stick: Walt Everson	5:23	3/83
FED ROG: Doc Martin	2:46	11/89
PAPER STICK: Gary Myers	8:25	4/73
MANHATTAN: Walt Everson	3:54	4/84
H.L.GLIDER Don Bal	1:12.4	2/83
~~BOSTONIAN: Sid Gilbert~~	~~180.4~~	~~4/92~~
EMBRYO: Dave Linstrum	198.2	4/92
~~MINI-STICK:Doc Martin~~	~~4:22.7~~	~~4/92~~

DIME SCALE - DON BRIMMER 119 1/14/95

LEGAL EAGLE - CARL HEDLEY 260 2/18/95

BOSTONIAN - WAYNE TRIVIN 269.7 2/18/95

MINI-STICK - WAYNE TRIVIN 5:34 2/18/95

CATAGORY II (26'3" to 49'2½") Set at St. Pete Coast Guard hangar & M/D South College

PEANUT: JUim Miller	187.9	2/90 14-Bis
COCONUT SCALE: D. Linstrum	1:39	10/93 Zippy Sport
FAC Scale: Jim Miller	157.7	2/90 14-Bis
PISTACHIO: Dave Aronstein	2:21	5/87 ANT-25 World Record *
NO-CAL Scale: Dick Obarski	4:20.6	12/91 Farman Postal
DIME SCALE: Wayne Trivin	204	10/93 Comet Mr. Mulligan
Limited Penny: W. Trivin	8:27	1/92
Penny: Tony Becker	8:29	2/86 AUTOGIRO: Ron Ganser 8:38 AMA Record
Easy B: Dick Obarski	13:38	2/90
H.L.Glider: Don Bal	82.4	2/83
Catapult Glider: W.Trivin	88.7	9/89
MANHATTAN: Millard Wells	5:03	2/86
ORNITHOPTER: Frank KIESER	6:45	2/87
FED. ROG: Dick Obarski	4:57	2/90
BOSTONIAN: Wayne Trivin	453.9	10/93
EMBRYO: Wayne Trivin	441.5	1/92
MINI-STICK: Wayne Trivin	6:40	10/ 93

CATAGORY III (49'2½" to 98'5") Set at Delta Hangar,MacDill AFB, Goodyear Hangar

~~PEANUT: George Nunes 192.6 1/94~~ Old Ironsides PEANUT WAYNE TRIVIN 208 14-BIS 10/94

COCONUT: Jack McGillivray	2:20.8	1/94 Curtiss Reid Rambler
FAC Scale: Wayne Trivin	176.5	9/91 14-Bis
PISTACHIO: Doc Martin	1:37.2	5/93 Goldwing PISTACHIO MODEL OF A MODEL: PUSSY CAT SIDNEY GILBERT, 2/95, 1:55.4
NO-CAL Scale: Dick Obarski	5:26	1/94 Farman Postale
~~DIME SCALE: Doc Martin~~	~~239.8~~	~~4/93 Comet Farman Stratoplane~~
LIMITED PENNY: J.McGillivray	12:18	1/94
~~PENNY: Walt Van Gorder~~	~~11:59.5~~	~~1/94~~
EASY B: Walt Van Gorder	19:06.7	12/91
H.L. STICK: Ray Harlan	23:34	4/79
PAPER STICK: Dick Obarski	19:22	12/89
ROG STICK: Stan Chilton	13:41	12/89
~~MINI-STICK: Walt Van Gorder~~	~~9:30~~	~~1/94~~
H.L.GLIDER: Don Bal	1:58.2	1/81
CATAPULT GLID: Wayne Trivin	1:51.7	9/90
BOSTONIAN J.BARKER	534.2	3/94
MINI STICK DICK OBARSKI	9:54	1/1/95
LEGAL EAGLE - JOHN BARKER	453	1/1/95
PENNY PLANE - WALT VAN GORDER UNLIMITED	12:42	12/31/94
MANHATTAN - WALT VAN GORDER	10:46	1/92

ORNITHOPTER:Frank Kieser	10:13	1/88
AUTOGIRO: Ron Ganser	10:06	12/90
HELICOPTER:Gary Underwood	4:40	1/89
DUCTED FAN: Dave Aronstein	:42	12/90
~~BOSTONIAN: Wayne Trivin~~	~~509.4~~	~~1/94~~
EMBRYO: Dave Aronstein	710	12/90
FEDERATION ROG:Dick Obarski	5:55	12/91
INTERMEDIATE STICK " Obarski	19:01	12/91
BEANUT SPEED: Millard Wells	8.6	
UNLIMITED SPEED: Doc Martin	8.6	

DIME SCALE. WAYNE TRIVIN 385 CURTISS ROBIN 1/1/95

THE CHARLES SLATER MEET

On Feb.18th most of the "locals" got our first look at Charlie Slater's almost finished new home.More than 2 dozen pilots showed up including many we haven't seen in years. (Dan Kilgore, Ralph Sqeglia,George Garrett). (4) Charle's home is on almost seven acres of land on the Inland Waterway in FT. Lauderdale and is very impressive with its own Hangar , heliport,and private lagoon. Not your usual HUD housing..I'll bet he"sa Republican. Upon driving up to the front of his abode we were confused by the many switch backs, slaloms, and hairpins in the driveway until we realized that the approach was part of the 1/4 mile cart path that encircles the heli-port and future baseball field. Part of the hangar houses his collection of 6 racing Porches, and 4 vintage VW's and Pete Rose's racing cart. Charlie will aquire cars as Kermet Weeks acquires airplanes.. Charles was right- The hangar is a TIGHT Cat.I ..Too tight for any scale models except Pistachio,but well suited for Mini Stick,Legal Eagle, and the little stuff.

After mid-day several guests arrived by chopper to add to the high-tech atmosphere. Charles' model pistachio Helicopter was performing. MIAMA thanks him and hopes to return for more Cat.I action.

Enrique Maltz, of Peanut and Israel Symphony Orchestra famewas present with some models after a series of transport manuvers.

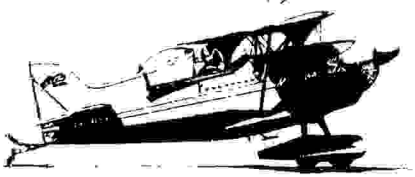
We did some flying too. Hedley set a new Cat. I Legal Eagle record,with his Paperchase. Wayne Trivin set the new Cat.I Bostonian record and wiped out Doc's old Mini-Stick mark with some very questionable "Steers" (With a pole,no less) allowed by the host and self declared "C/D"

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29. JAN 95

Sad news, I'm sorry to say. Shoichi Uchida, age 62 passed away on January 28, of apoplexy (cerebral hemorrhage). I met him in the hospital few days ago, but he was not come to yet, still unconscious.

His death was a great shock to us, but he will be able to see Walt Mooney and Bob Peck at heaven. I attended a funeral with our club members on 29 January at Ogaki. I put his remiakable Peanut models Mustang, BD-4, NO-CAL Gee-Bee and Pistachio Lacy M-10 on his coffin. They cremated with him. He will be able to enjoy with his models on Heaven.



JIRO SUGIMOTO
2-36 Kitahata-Cho, Nakamura-Ku,
Nagoya 453 JAPAN

EXCITING DOMEDUSTER PRODUCTS!

Domeduster Plan Packet #4 has 12 new plans for 6 different classes including 6 Peanuts, 2 Ministicks, a Piper J-3 No-Cal, Beginner ROG, Hand Launched Glider, and Pro 20 Duration. Plans are full sized and printed on large 11 x 17" sheets. Featured is the 1916 Curtiss Peanut Biplane, beautifully depicted on the cover by Dave Linstrum. This plan packet is **$10 ppd.**

Domeduster Plan Packet #3 is still available. **$8 ppd.**

Dress Up That Scale Ship explains **8 proven ways** to beautify stick and tissue models including Tissue Collage, Tissue Dyeing, Art Markers, Solvent Transfer, Brush Painting, Copy Machine, Computers and Border Tape. With 8 illustrations and 2 charts, it is designed for both beginners and advanced modelers. **$10 ppd.**

Domeduster Spoked Wheel System, 2nd Ed. is a fully illustrated, step-by-step booklet which gives you complete instructions for making your own spoked wheels. It has 20 illustrations and 6 photos. **$8 ppd.**

*The price of each booklet includes postage and handling. Add $2 for foreign orders. When ordering, **please make checks payable to Stan Fink, 1810 Pine St., Phila., PA 19103.***

(5)

Phone 0257 452624

403 Mossy Lea Road,
Wrightington,
Wigan, Lancs..
England. WN6 9SB

Dear Club Secretary or Contact / Magazine Editor,
and Indoor Flyer.

Once again the British Model Flying association, Indoor Technical Committee would like to invite your members / readers to take part in "THE 1995 LIVING ROOM STICK / MINI STICK INTERNATIONAL INDOOR POSTAL CONTEST", to be run over this winter period. Can you please pass on / publish this contest for your members / readership. This will the 5th year that I have run this event and due to extra work this will be the LAST TIME, if any one wants to take it over please let me know.

The rules for this contest will be as follows :-

1. The contest is open to Indoor models which comply with Living Room Stick / Mini Stick Rules, (the spec. is the same as last year).
2. Contest flights are to be made between 1st Jan 1995 and 31st March 1995.
3. Any number of flights can be made at any number of sites.
4. All contest flights to be timed by someone other than the flyer.
5. All contest flights to be recorded on an official Results Form, available from the above address, (please send SSAE etc. you can make extra copies).
6. Best single flight time wins, after the flight time has been corrected for the different ceiling heights. Ceiling height to be measured as per F.A.I. but with a 5 meter diameter circle. The correction factor is 627 divided by (167 plus 46 times the square root of the ceiling height in feet). The time in seconds will be multiplied by this to give the corrected time.
7. Prizes will be awarded dependent on the number of contestants.
8. All Results Forms to be returned to the above address no later than 10 April 1995.
9. Entry if FREE to ALL contestants (A club sticker sent to the organiser would be appreciated)
10. Results will be sent if a SSAE is included with the Results Forms.

AS OF 3/95

NOTE: MAMA WILL USE THESE RULES UNTIL SUCH TIME AS AMA WILL ADOPT OFFICIAL ONES.

'LIVING ROOM STICK/MINI STICK' Model Rules

Model

Monoplane, Max. Span (projected)	7.0 inches
Max. Wing Chord	2.5 inches
Stick Length	5.0 inches
Max. Model length (less prop)	10.0 inches
Stab (Tail) area	Max. = 50 per cent of wing
Covering	Plastic / Paper. NO Microfilm
Propeller	Wood prop 7" Diameter max.
Minimum weight	0.43 gms.) 0.015 ounces

NO V.P. or V.D. Props or 'Torque Burners' are to used (keep it low tech.)

Flying

Steering	4 ten second steers *
Attempt	Fifteen seconds or more *

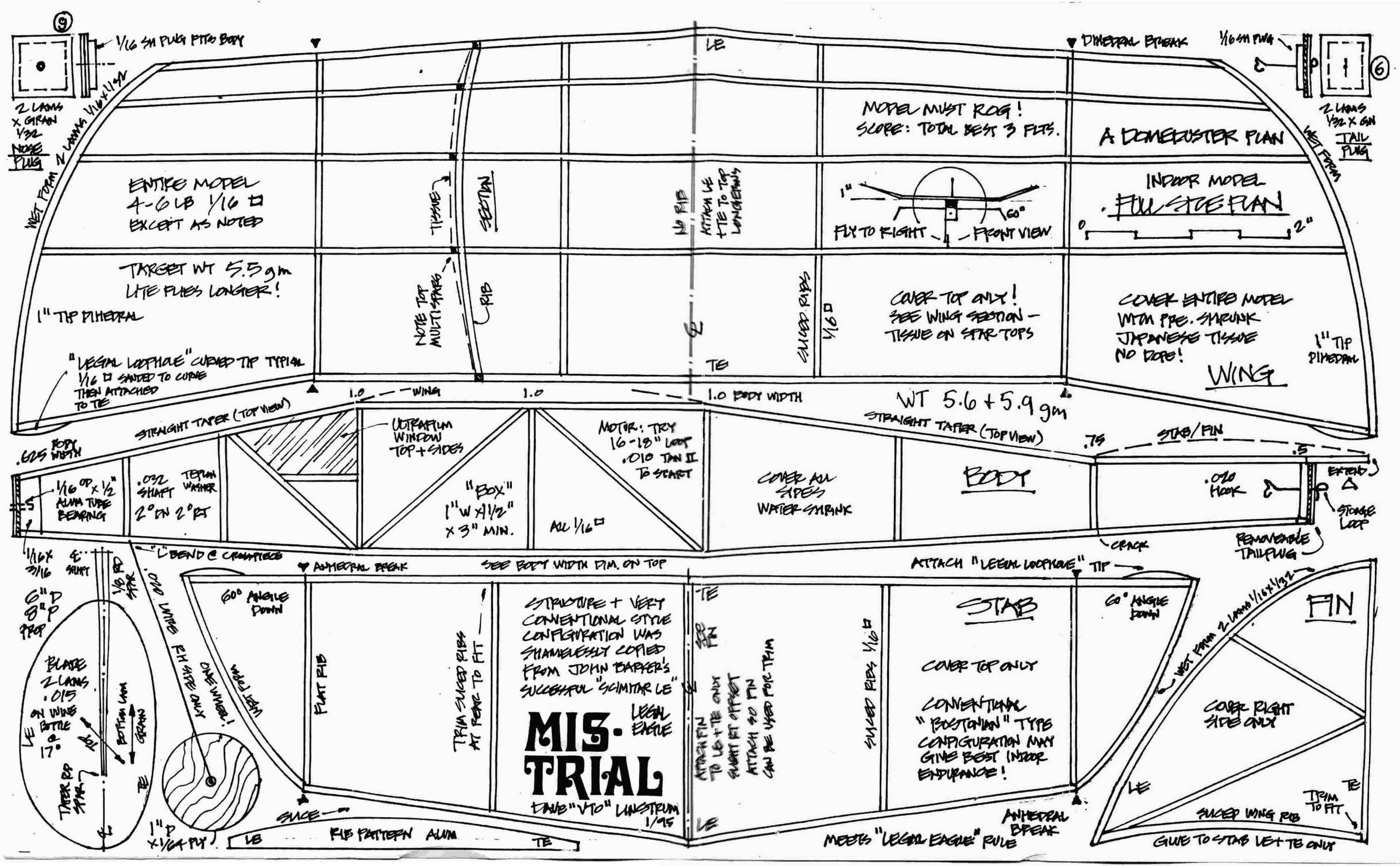
* Special flying rules for very small rooms only ! (Living room flying only)

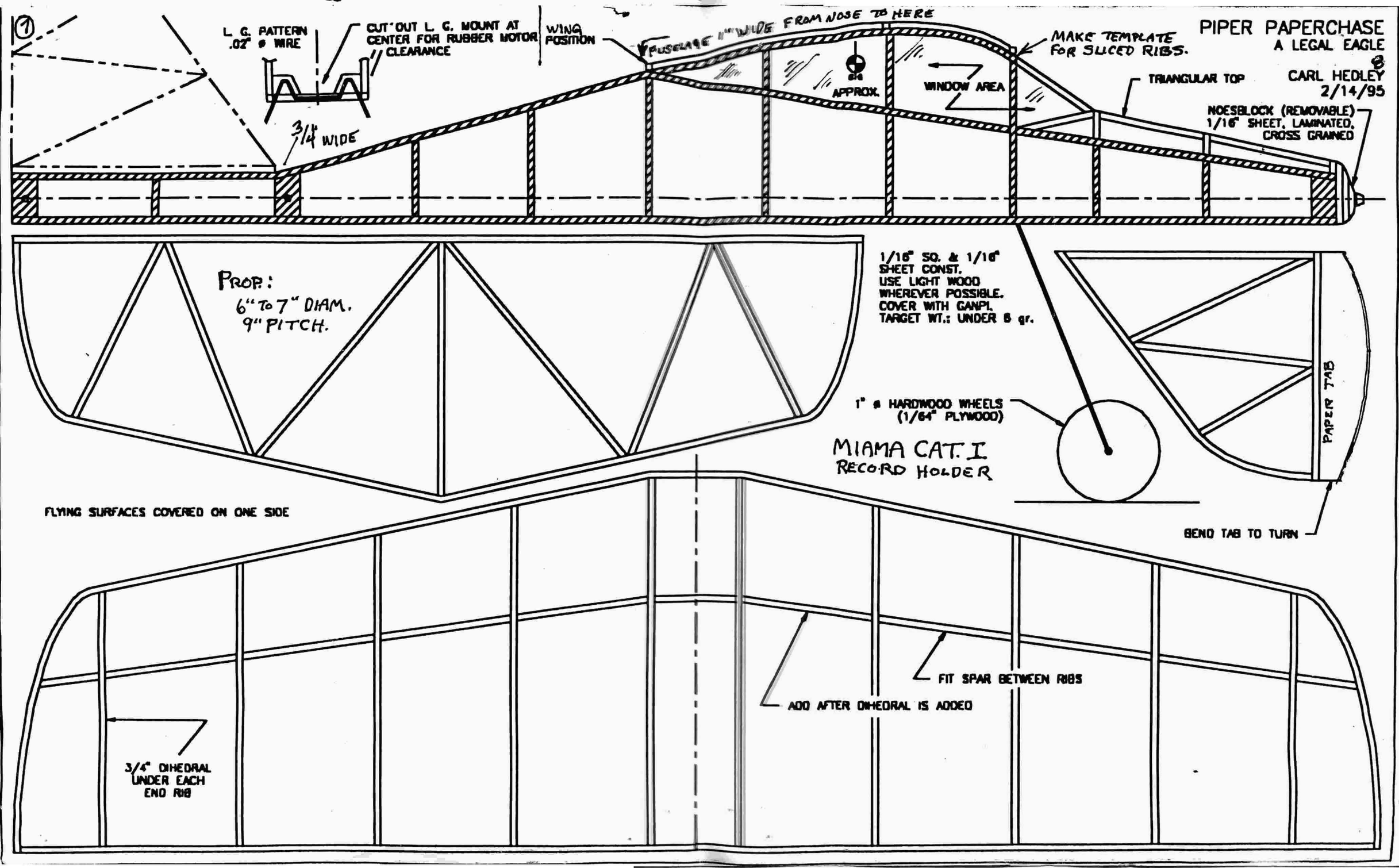
GOOD FLYING & HAVE FUN

Mike Colling.

Mike Colling
BMFA Indoor Technical Committee Chairman.

MIKE'S LAST HURRAH !


MODEL MUST ROG!
SCORE: TOTAL BEST 3 FLTS.
A DOMEDUSTER PLAN
ENTIRE MODEL
4-6 LB 1/16 □
EXCEPT AS NOTED
INDOOR MODEL
FULL SIZE PLAN
TARGET WT 5.5 gm
LITE FLIES LONGER!
1" TIP DIHEDRAL
COVER TOP ONLY!
SEE WING SECTION -
TISSUE ON STAB TOPS
COVER ENTIRE MODEL
WITH PRE-SHRUNK
JAPANESE TISSUE
NO DOPE!
WING
"LEGAL LOOPHOLE" CURVED TIP TYPICAL
1/16 □ SANDED TO CURVE
THEN ATTACHED TO TE
STRAIGHT TAPER (TOP VIEW)
WT 5.6 + 5.9 gm
STRAIGHT TAPER (TOP VIEW)
1/16 SM PLUG PTD BODY
2 LAMS X GRAIN 1/32 NOSE PLUG
2 LAMS 1/32 X GR TAIL PLUG
WET FORM 2 LAMS 1/16 X 1/4 GR
DIHEDRAL BREAK
LE
TE
1.0 WING
1.0
1.0 BODY WIDTH
.625 BODY WIDTH
.75
STAB/FIN
.5
1/16 OD x 1/2" ALUM TUBE BEARING
.032 SHAFT
2° IN 2° RT
TEFLON WASHER
ULTRAFILM WINDOW TOP + SIDES
"BOX" 1" W x 1/2" x 3" MIN.
MOTOR: TRY 16-18" LOOP .010 TAN II TO START
ALL 1/16 □
COVER ALL SIDES WATER-SHRINK
BODY
.020 HOOK
EXTEND
STORAGE LOOP
REMOVEABLE TAILPLUG
CRACK
"L" BEND @ CROSSPIECE
DIHEDRAL BREAK
SEE BODY WIDTH DIM. ON TOP
ATTACH "LEGAL LOOPHOLE" TIP
1/16 x 3/16 SHAFT
1/16 RD SPAR
.010 LINES RH SIDE ONLY
ONE WIRE!
WET FORM
6" D 8" P PROP
BLADE 2 LAMS .015 ON WIRE BOTTLE @ 17°
BOTTOM LAM
GRAIN
TAPER RD SPAR
1" D x 1/64 PLY
60° ANGLE DOWN
FLAT RIB
TRIM SLICED RIBS AT REAR TO FIT
STRUCTURE + VERT CONVENTIONAL STYLE CONFIGURATION WAS SHAMELESSLY COPIED FROM JOHN BARKER'S SUCCESSFUL "SCIMITAR LE"
MIS-TRIAL
LEGAL EAGLE
DAVE "VTO" LINDSTRUM 1/95
ATTACH FIN TO LE + TE ONLY
FLIGHT JET OFFSET
ATTACH 90 FIN
CAN BE USED FOR TRIM
SLICED RIBS 1/16 □
STAB
COVER TOP ONLY
CONVENTIONAL "BOSTONIAN" TYPE CONFIGURATION MAY GIVE BEST INDOOR ENDURANCE!
60° ANGLE DOWN
FIN
WET FORM 2 LAMS 1/16 x 1/32
COVER RIGHT SIDE ONLY
SLICED WING RIB
TRIM TO FIT
GLUE TO STAB LE + TE ONLY
SLICE
FIB PATTERN ALUM
ANHEDRAL BREAK
MEETS "LEGAL EAGLE" RULE
TISSUE
SECTION
NOTE TOP MULTI-SPARS
RIB
NO RIB
ATTACH LE + TE TO TOP LONGERON
SLICED RIBS
1/16 □
1" TIP DIHEDRAL
FLY TO RIGHT
60°
FRONT VIEW
0
2"


1
L. G. PATTERN .02" ø WIRE
CUT OUT L. G. MOUNT AT CENTER FOR RUBBER MOTOR CLEARANCE
WING POSITION
FUSELAGE 1" WIDE FROM NOSE TO HERE
MAKE TEMPLATE FOR SLICED RIBS.
PIPER PAPERCHASE
A LEGAL EAGLE
3
CARL HEDLEY
2/14/95
3/4 WIDE
APPROX.
WINDOW AREA
TRIANGULAR TOP
NOESBLOCK (REMOVABLE) 1/16" SHEET, LAMINATED, CROSS GRAINED
PROP: 6" TO 7" DIAM. 9" PITCH.
1/16" SQ. & 1/16" SHEET CONST. USE LIGHT WOOD WHEREVER POSSIBLE. COVER WITH GANPL. TARGET WT.: UNDER 8 gr.
1" ø HARDWOOD WHEELS (1/64" PLYWOOD)
MIAMA CAT. I RECORD HOLDER
PAPER TAB
FLYING SURFACES COVERED ON ONE SIDE
BEND TAB TO TURN
FIT SPAR BETWEEN RIBS
ADD AFTER DIHEDRAL IS ADDED
3/4" DIHEDRAL UNDER EACH END RIB

DAVE STOTT
4304 MADISON AVE.
TRUMBULL, CT 06611

Feb.3,1995.

Hello Doc,

Enjoyed the latest Hangar Pilot. In the Legal Eagle News article you mention a possible weight rule. Now, I consider you MIAMA guys to be right on course when it comes to indoor flying and I think you should be the ones to modify Legal Eagle rules to make them workable. But, don't you think the minimum balsa size and Jap tissue covering requirements would take care of that?

In reflecting on Walt Erbach's comments I would like to see the following added to the "Flying" section of the rules.....

3. Models must fly free of any control system or tether.
4. Motive power may be rubber, electric, CO^2, compressed air, or rocket. Rocket power being restricted to outdoor flying.

Now I would like to discuss a rule I would like to add to the "Design Requirement" section. It is a selfish change in that it would contribute to asthetics only and I should have thought of it initially.....

2. (Add) Fuselage longerons cannot parallel each other in either side or top views.

In laying down the rules I tried to promote less angular designs. It has been only partly successful in that area.

Also in the Legal Eagle News article you mention checking plans by "HQ." That could become a time consuming and thankless job. I hope you did not have me in mind to be the judge! I cast my vote for Walt Erbach. He seems to have that Judge Roy Bean quality that is needed for the job.

These are my thoughts on L.E. set up as it now stands.

Sincerely,

Dave Stott

P.S. I guess the following ought to be added to the "Flying" section to further clarify my original intentions for this event.
5. A Legal Eagle event may be contested using any single, or any <u>combination</u> of motive powered models!

I <u>was</u> trying to be more subtle on this aspect of it hoping someday some rule bender would "get" me on it. I am not sure mixed power contests would not work. A Grand Melee as in the days of King Arthur.

OUTBREAK: LEGAL EAGLE FEVER NATIONWIDE!!!

From: National Center for Disease Control
Atlanta, Georgia

To: Dave "Legal Eagle" Stott
Doc Martin
Chris Wienrich NFFS
Phil Bernhardt Model Builder
Gil Couglin

According to reports coming in from Florida, Georgia, Washington, Oregon and California, there is now an epidemic of the airborne plague Legal Eagle Fever spreading along the Atlantic and Pacific coasts. We have reports that a Coconut Grove dentist and an unidentified agent who uses the initials VTO are the main carriers. Various plans have appeared in the notorious Hangar Pilot and these have been spread by the Coughlin copier from Seattle to Portland to San Jose to LA to San Diego.

Among the strains of this airborne virus that have been identified:

BRISTOL BARRATRY (LOOK THAT UP IN DICTIONARY)
SHAPIRO SPORT
HANGING JUDGE
LEGAL LOOPHOLE
MISTRIAL
BLOCH BEVAUX
MISCARRIAGE OF JUSTICE
SCIMITAR LE

Be watching for this outbreak in your area. Two of the strains will appear in the Feb NFFS Digest and the Mistrial Mk II will appear in a future MB centerfold article by agent VTO.

Dr. Cutsom Wood, Epidemiologist
Dr. J. P. Tissue, Administrator

John B. Martin Jr., D.D.S.
2180 Tigertail Avenue
Coconut Grove, FL 33133
305-858-6363

S.O.S.

NEED DOCUMENTS, COLOR SCHEME PHOTOS, 3-VIEWS, ETC. FOR 2 RARE BIRDS.

- LEMBERGER TANDEM/BIPE
- MECHANICS FLYABOUT, I HAVE DIME SCALE GUILLOWS PLAN FOR IT - BUT NOTHING ELSE. HELP? ☺

FROM Domeduster Tech Tips . . . See P. 4

Plastic Prop Modifications

In some classes, the rules allow modification of a plastic prop. This applies most notably to all indoor scale classes and FROG. The only indoor class which specifies an unmodified plastic prop is P-24. Since this is the case, it behooves modelers to become knowledgeable in choosing and altering plastic props. The number of props now available is quite staggering compared to just a few years ago.

A look at the Peck Polymers Catalog shows what's available at the present time:

Silver Plastic 4 3/4,6, 7, 8, 91/2"

Red plastic North Pacific 4, 5 1/2, 7"

MPC 6"

Hi Flyer 6"

Kaysun 4"

Czech 6, 9 1/2"

Here are six ways to alter plastic props to improve the performance of your airplane:

1. Thin blades to reduce weight
2. Reduce diameter to allow ROG.
3. Change shape to improve efficiency (thrust.)
4. Remove material from rear of hub to reduce weight, drag and prevent contact with nose bearing.
5. Change pitch with heat (not recommended).
6. Maximize blade area by cutting down a large prop to the desired diameter.

Techniques:

Blades can be significantly reduced in weight by thinning. This is done by scraping the blades (on the top side only) with a single edge razor blade or Xacto knife with #11 blade. Scrape along the blade in one direction (away from you) to avoid digging a hole in the blade. Check frequently with a caliper and "candle" for uneven spots. Hold prop on top of table when it starts to flex excessively and continue scraping until the total weight is down to about one-third of the original.

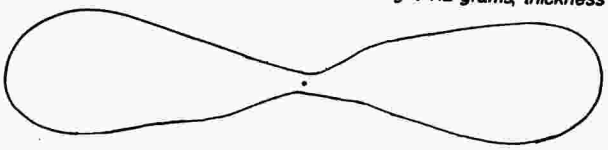
Balance and finish the blades with 400 grit wet or dry sandpaper.

Examples:

Peck Polymers Grey 6"

Hi Flyer Black 6"

Original weight of both props is 3.0 grams, thinned weight 1.2 grams, thickness .015-.020.



This prop started life as a 7" Peck and was cut down to 5" and thinned. It has a larger blade area than a regular 5" prop and now weights 1.2 grams.

PISTACHIO:

Here are the MIAMA PISTACHIO rules. They try to encourage the broadest field of tiny scale models possible. Tow line scale gliders, catapult launched or propeller powered jets are all possible in addition to conventional rubber power, and CO2 or electricpower. The sky's the limit. No weight limit. No lighter than air.

GENERAL: Recognizable model of a full scale,man carrying,aircraft. Exception: Model of a model class which is a pistachio sized model of an outdoor free flight model with a built up (Not stick or profile) fuselage.
SIZE: Built to either a 8 inch span or a 6inch overall length (Excluding prop)

CONSTRUCTION: No restrictions on materials, type construction, or power. Get thinking.

SCALE JUDGING: Mooney type ranking points based on realism, color and marking, complexity of type, workmanship, and quality of documentation.) One (or preferably more than one) judge ranks the field of entries from best to least. Best gets 1 point, second gets 2 and so on. Judges can also enter contest.Any number of entries are allowed, but only best entry countsModel may be reentered.

DOCUMENTS: Full quality of documentation consideration given to entry who supplies a 3-view and at least one photo. Color documentationshould ideally be a color photo, but if no photo a color reference should be included.

FLYING: Best 2 of 9 flights, hand launched. Ranking points awarded from best to least as in scale judging.

FINAL STANDING: Low point total of scale and flight points. Best SCALE SCORE IS tie breaker.

CATAGORIES: Model of a Model..see "General". RIDOTTO: The smaller the better. Awarded to the smallest span model to achieve a 30 second flight.

NEWS FLASH

JOHNSON CITY MEET:

FROM FAC H.Q.

Peanut & No-Cal Scale Postal Meet

When you read this our winter postal contests are under way. Once again we will have four contests, or wings. They will consist of No-Cal Indoor and No-Cal Outdoor as well as Indoor Peanut and Outdoor Peanut. All you have to do to enter is to fly your models and send in the times to F.A.C.-G.H.Q. 3301 Cindy Lane, Erie, Pa. 16506. Enter as many models as you want in each event. Every time you better a score with a particular model send it in. Make sure you specify what event you are entering for each model. Contest times count too. Contest will end on May 28, 1995. Entries postmarked after May 30, 1995 will not be accepted.

No-Cal Indoor

1. Barrie Taylor	Lacey M-10	361 sec.
2. Stu Weckerly	Stallion	321 "
3. Tom Nied	Ultimate Biplane	223 "
4. Steve Moskal, Sr.	Mitsubishi Zero	147 "
5. Ken Graham	Farman 190	78 "

No-Cal Outdoor

1. Ron Hummel	Helio Courier	56 sec.

Peanut Indoor

1. Stan Fink	Huntington H-12	68 sec.
2. Sam Burke	Nesmith Cougar	67 "
3. Lin Reichel	Huntington H-12	47 "

Peanut Outdoor

1. Dave Stott	Fairchild 24	86 sec.
2. Ron Hummel	Lemberger LD-20b	69 "
3. Dave Stott	Curtiss-Reid Courier	57 "
4. Dave Stott	Short Seamew	48 "
5. Jeff Row	Beechcraft Skipper	12 "

COCONUT:

MIAMA COCONUT SCALE RULES

1. Recognizable scale model with a wing span of at least 36" for monoplanes, and 30" for multiwings,rubber power.
2. Static points from Mooney type scale ranking from a distance of 10 feet.
3. Flight time is from R.O.G. Ranking points from best of three flights.
4. One once minimum weight,less rubber.
5. Tie breaker.. best scale ranking.

ABOVE RULES USED FOR ALL MIAMA EVENTS + JOHNSON CITY GRAND PRIX

ADDED EVENTS

BRING YOUR DIME SCALE AND LEGAL EAGLES FOR A MIAMA GRAND PRIX SATURDAY NITE AT THE MINI DOME 5:30 TO 11:00

ALSO ADDED FAC F[illegible]

(13) LEGAL EAGLE RULES

THE LEGAL EAGLE EVENT.

DRAWING REQUIREMENTS

Drawing must fit on one side of one sheet of legal size (8½ X 14) paper.
No component parts drawing may be superimposed or overlap another and must clear one another and the edge of the paper by at least 1/8 inch.
Wing(s) and stabilizer must be drawn full span, tip to tip.
Fin(s) may be drawn where space allows and not necessarily attached to the side view.
Landing gear must be drawn in it's place on the side view showing it's full length.
No top or front view is required.
Drawing must be presented to C.D. on demand.

DESIGN REQUIREMENTS

1"x1½"x3'

Smallest wood size to be 1/16 square.
Fuselage volume must contain a cube 1 X 1½ X 3 inches.
Fuselage must have a cable or open cockpit with a raised windshield of at least 30°. Cockpit must be actually open, with a headrest or canopy.
Flight surfaces: Leading and trailing edges cannot parallel each other.
Tip outlines must have no straight lines except for stabilizer where a twin fin is used.
If twin fins, or two wings are used in the design, parts may be built in duplicate over the same drawing.
Jap tissue covering. No ultra light covering is to be used. Flight surfaces may be single or double covered.
Landing gear must use at least one 1" hardwood wheel.
Use of motor sticks or tubes O.K.

FLYING

Models must R.O.G. from ground, ice, table top, gym floor, or any solid place designated by C.D. on contest day.
Highest total of 3 flights wins. Delay timing at C.D. discretion.

(11) DIME SCALE RULES MIAMA. 1995

Modified from Bob McDow's rules as used at Columbia U., N.Y. & elsewhere.
CONSTRUCTION :Model kit had to sell for ¢10 in the 30,s & 40,s. Plan is submitted with model, no other documents. NO structural changes from plan except as noted below. Single or double surface according to plans.
NOTE: Keep in mind if you also want to enter these planes in FAC SCALE all surfaces MUST be double covered. Japanese tissue covering only. Color scheme and all coloring, details, and marking as shown.
MODIFICATIONS ALLOWED:
1. 1/20" wood may be used instead of 1/16"
2. Tail may be enlarged.
3. Nose may be modified to provide ample removable section, and an improved thrust bearing.
4. Rear rubber attachment may be changed.
5. Stringers and tissue may be used instead of "Stiff paper" called for.
6. A spar on the bottom of a wing plan may be moved to the top of the wing.
7. Any size or type prop may be used.
MAXIMUM SPAN 16 ½". Those 20" span Comet kits must be reduced.

FLYING RULES : Unlimited flights, hand launched. Total of best 3 determine score. Model type gives bonus flight seconds, per flight.:
Bonus Points...add seconds per flight. High wing..0, Parasol, 1..Shoulder..2, Low..3, Mid..2½, Floatplane..5, Biplane..4, Triplane..6

LOOKS LIKE A LOT OF FUN!! Plans and Kits are available from Scale Flight Co. See page 6. Doc Martin, Geo. Nunez, and Millard Wells have a lot of these plans locally. Get in touch. Lots of other old timer companies have plans too.
GOLDEN AGE REPRODUCTIONS P.O BOX 1685, ANDOVER, MA 01810 Ctlg. $2
POND'S PLAN SERVICE PO BOX 99310 SAN JOSE CA, Catalog $3

JIM MILLER: NOTES ON FAC AT JOHNSON CITY. MAY 31 TO JUNE 4

In order to be eligible for Kannones there
Bonus points will be unlimited. No pylon skips in Hi Wing.
Golden Age for any size model - 3 flights of unlimited time. Wait until you get the USIC entry sheet, then publicise these facts.
I got the wrong info printed - I just talked to Jim on Sunday.
He had been in Fla the previous 3 weeks.
I have all the judges lined up for all scale events. Dave Rees - AMA Scale & FAC Hi-Wing Mono
John Blair - FAC Scale - AMA Peanut
Jack McGillivray - Kit-Plan
Jim Miller - Golden Age
There will be a beginner's event for anyone who hasn't ever won a Kanone. It should encourage some to fly scale since the competition will be at the beginner level. Jim gave me his blessing on this one.
See you in FLA. Jim

Afraid to fly indoor scale ? I am. There is now an event for us non-scale types. Jim Miller, the USIC Scale Manager will have a special scale event for us duffers that have never won a Kannone at a FAC contest or have never entered a FAC contest. I now plan to enter this event as my model will not be overwhelmed by the more proficient builders. I know I won't win, but will get experience and another event to fly. Now what do I build, what are you going to build?

Jim Miller says, once you pay the entry fee he will judge your model ASAP. You can't ask for better service than this. Thanks Jim, see you in June. (What the hell is a Kannone, it's not contagious is it?)

JOHNSON CITY PLANS

(14)

DOME HOURS	8:00	10:00	12:00	1:00	2:30	5:00	5:15	10:00
WED. 5/31 8:00am to 11:00pm	LIGHT / HEAVY PRACTICE UNDER 1.5 GRAM		P-24 MASS LAUNCH	LIGHT / HEAVY PRACTICE			FID, HAND LAUNCHED STICK 35 CM, CABIN ROG	

	7:30	11:30	1:00	2:00	5:30	6:00	11:00
THURS 6/1 7am to 12pm	H.L. GLIDER STD. CAT. GLIDER UNLIMITED CAT. GLD UNLIMITED RUB SPD.	INT. STK. HELICOPTER ORNITHOPTER	NO LAUNCH *	INT. STICK HELICOPTER ORNITHOPTER		FID,H.L. STICK PRO 20, AUTOGYRO	

	7:30	11:30	1:00	1:45	5:15	6:30
FRI 6/2 7am to 6pm	FAC. SCALE BOSTONION PISTACHO F.A.C. HIGH WING	PENNYPLANE MANHATTAN	*	PENNYPLANE MANHATTAN		BANQUET

BOSTONION MASS LAUNCH 11:30

	7:30	11:30	1:30	2:15	5:15	11:00
SAT 6/3 7am to 11pm	FAC. GOLDEN AGE COCONUT SCALE NO-CAL SCALE PEANUT SCALE F.R.O.G.	LTD. PP	*	LTD.PP		

COCONUT SCALE MASS LAUNCH 11:30

SAT. NITE MIAMA GRAND PRIX
LEGAL EAGLE
DIME SCALE
FAC MASS LAUNCHES
OTHER STUFF?

	7:30	11:30	12:00	2:00	2:45	5:45
SUN 6/4 7am to 6:30pm	MINI- STICK KIT PLAN AMA SCALE		EZB	*	EZB	

MINI STICK MASS LAUNCH 11:45

* Retrivial starts with last plane down.

30 MAY TO 4 JUNE 1995

Need a 1995 Entry form? Send a large, self addressed, stamped envelope, that's a 32¢ stamp to; USIC 444 Bryan St Louis, Mo 63122 and it's on the way to you. Sign up now, enjoy indoors, no chasing, no marathon fly-offs, it's cheap? and it's good for you.

ADDITIONAL JOHNSON CITY EVENTS



What can you do in Johnson City on a Saturday nite? Not a whole lot. When MIAMA saw there was nothing scheduled at the USIC after 5:30. we booked the Dome for a MIAMA GRAND PRIX. Although this is a late addition we will definitely fly LEGAL EAGLE and DIME SCALE. JIM MILLER is cooking up some additional FLYING ACES events to be announ- later. There'll be a hot time in Old Town on Sat. night.

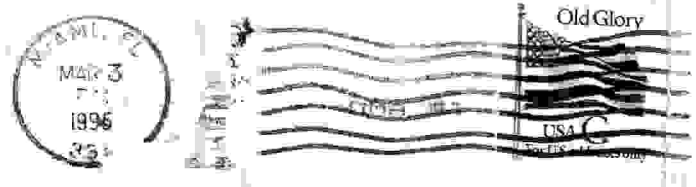
THIS INFO IS NOT IN YOUR MAILING - OTHER NEWSLETTERS PLEASE COPY.

WHAT'S ON IN FREE FLIGHT ?

March 11 MIAMI DADE SOUTH COLLEGE. SORRY, THIS ONE IS CANCELLED
March 25,26 TAMPA. MIAMA State Indoor Meet #5. FAC Mass Launch..WWII Mac Dill AFB
Also Mass Launch Ansaldo event on Sat.
April 8 MIAMI-DADE SOUTH COLLEGE 9 to 3. This one is confirmed. Legal Eagle/Pistach.
April 9 to 15 LAKELAND,Fl. EAA Sun n' FUN
April 22,23 TAMPA. MACDILL AFB. MIAMA STATE INDOOR MEET #6 FAC MASS LAUNCH..LOW WINGS
MAY 6,7 SAM Old Time Spring Meet. Palm Bay. C/D Don Brimmer 813-525-6667. FACEVENTS
May 13, MIAMI-DADE SOUTH COLLEGE. 9 to 3. CONFIRMED. Legal Eagle, etc. etc.
MAY 20, 21 TAMPA. MACDILL AFB. MIAMA STATE INDOOR FINAL MEET (#7) FAC M/L:Biplanes.
MAY 27,28 PALM BAY, Terry Rimert Memorial Meet and one design
MAY 31-June 4..JOHNSON CITY,TN..THE BIGGIE. Big Sat. nite MIAMA GRAND PRIX.
JUNE 17,18 PENSACOLA,FL. Festival of Five Flags.
JULY 1,2. PALM BAY. FLORIDA STATE FF CHAMPS. C/D Bill Staley
JULY 15,16 MOSCOW,IDAHO. AMA INDOOR NATS.. Kibble Dome
JULY 29, ISLAMORADA,KEYS. The Celebrated Millard Wells Flying Aces ROW Meet.
Three Kanones, FAC, Peanut, and JuMBO.
AUG 5,6 PALM BAY.FL. DIXIE NATS JIM JUHL,C/D
SEPT. 2,3. DISTRICT V CHAMPS PALM BAY FL.

ALWAYS CALL INDOOR HOT LINE THE NITE BEFORE MIAMA MEETS. 305-858-6363

THE HANGAR PILOT
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33133



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