THE HANGAR PILOT

ONE AND ONLY!

THE MIAMI INDOOR AIRCRAFT MODEL ASSN. MIAMA

ISSUE 78
APRIL 82

FAMILY ENTERTAINMENT (RATED "G")

CHANGE → NEXT MEET: APRIL 18

NEXT FLY IN MAR 21 - M/D SOUTH

MIAMA - CLUB 986 - "E"



STARTLED BROWN FLA. PELICAN CONFRONTS PECK R.O.W. ON INDOOR LAKE WELLS

(1)



THE HANGAR PILOT

Is published 8 (or 9) times a season by Miami Indoor Aircraft Model Association (MIAMA) AMA Club 986, the only active all-indoor club publication in the AMA. For $10.00 a year you will receive all 8 editions, and an additional $10.00 makes you a member of MIAMA (Indoor isn't for everyone!) Send contributions, letters, plans, 3-views, articles, gripes, and MONEY to: MIAMA Dr. John Martin 3327 Darwin St. Miami, Fla. 33133

Pres./Editor: Dr. John Martin Jr. Scale Judge: Dan Kilgore
Secy./Illustrator-Reporter: Dave Linstrum Awards and Archives: Terry Rimert
Peanuteer: Carl Hedley Retrieval: Jim Stewart, DON BAL
Overseas Correspondant: Butch Hadland UK Youth Activities:
Technical Articles: Bill Hiscock Mike Arak, and Ernie Clark

RESULTS OF MEET 6 OPA-LOCKA

Now down to the last 2 meets, the competition is getting fierce. You'll note that no annual results are in this issue(no room) See issue 79. Suffice it to say we are all in the thick of it. Doc Martin, dispite frantic Peanut building, is in danger of being toppled from the Peanut throne for the 1st time in 10 years. Suffering succotash, a catastrastrope!! He'll definitly have to come up with a new set of rules!

Arak disdained to compete, having garnered all his points in only 4 meets. Like Jack Niklaus, he's only going to fly in the big ones.

New member BOB ANDREWS has contributed a beautiful reference book to MIAMA archives...He reduced all 4 Mooney "Bags of Peanuts" to Grape Nut Scale (8" Span), and these are available at HQ to one and all. If you are not aware of Grape Nut Scale see Ken Johnson's Indoor Column in April 1982 Model Builder Mag. Our rules are simple: same as we've been flying in Peanut BUT: Span limit "8, or "6 overall length. Build to either limit. To see if we like this event Doc will get the ball rolling (I'm a cliche expert) at the last meet on May 9th with a Grape Nut event. FLY ON MAY 9 WITH YOUR GRAPE NUT FOR THE COVETED MARTIN TROPHY!! Send in a proxy in a snuff box! This is surely the one event suited for a proxy.

Roman put in some Of his best EZB. This event refuses to die, and remains the most popular of indoor duration events.

Martin's Weyman-LePere bowed out in spectacular fashion. It flew gently into the wall and all but exploded..completely totalled. Never saw such destruction, even when I sat on one. Looked like a Commie plot.

We're too intense, guys! A little feed back.. Wives and spectators face a long day in the Hangar 'cause no one will talk to them. See, we too busy breaking rubber bands, and glueing things, and flying to be sociable. The solution to this is to come out to the fly-ins . Low pressure, non-competetive flying, much chatter and levity. We've been taking movies so come out and get your pitchur took.

MEET 3 MARCH 14 '82 OPA-LOCKA

(2)

Peanut Scale event: (8 entrants, 17 entries)

1.Dave Kiefer 9 Pts.(Lacey 30.8) 1 static,8 Flight (41.3)(45.7)
2.Carl Hedley 9 Pts (Lacey 29.8) 2 static,7 Flight (54.6)(55.4)
3.W. Everson 10 Pts.(Waco E 28.0) 5 static,5 Flight (55.1)(61.0)
4.John Martin 12 Pts(Dornier 24.3)6 static,6 Flight (60.0)(55.0)
5.M.Wells 13 Pts.(Curtiss Tripe 28.7)4 stat.,9 Fly (34.6)(38.7)
X Wells 14 Pts (Micro-Veloz 17.1) 12 stat.,2 Fly (77.3)(78.1)
X Everson 17 Pts(Jungmeister 28.7) 4 static,13 Fly (29)(27.1)
X Everson 17 Pts.(Found 17.0) 13 stat.., 4 Fly (64.9)(76.7)
X Martin 15 Pts.(Golden Eagle 29.3)3 stat.,12 Fly (28.0)(28.2)
X Everson 18 Pts.(Dyke Delta 24.0) 7 stat.,11 Fly (28.0)(30.5)
X Wells 18 Pts.(Vagabond 15.0) 15 stat.,3 Fly (59.4)(87.0)
X Wells 21 Pts(Drigg's Dart 21.0) 11 Stat., 10 Fly (36)(27.5)
Dick Kelso 22 Pts(St.Louis 22) 8 stat.,14 Fly (20.2)(19.4)
Jim Stewart 23 Pts(Church 22) 8 Stat.,15 Fly (26)(8)
8.Bill Hiscock 24 Pts(BD-4 22 P) 8 stat.,16 Fly

SCALE EVENT:

1.J. Martin (Martin MO-1 70.0) (61)(68) 134.5
2.Dave Kiefer (Lacey 82.2) (45)(44) 126.7
3.Dick Kelso (Vagabond 68) (20)(19) 87.5

GLIDER:

1.Don Bal (48.5)(48.0)
2.Jim Stewart (33)(34)
JR: 1.Dave Bal(21.4)(20.7)
2.Steve Bal (15.6)(13.6)

EASY B:

1.Roman Szymula 12:18.2
2.Dick Obarski 11:54.2
3.J.Stewart 7:27
4.Carl Hedley 7:18
5.Walt Everson 4:57
6.Dave Kiefer 3:36
Juniors:1.Dave Bal :40.7
2.Heather Arak :31.7

MANHATTAN:

1.Walt Everson 3:43
2. Dick Kelso :21

PEANUT SPEED

1.Dave Kiefer 11.6
2.J. Martin 22.8

OLD TIMER ROG:

1. Walt Everson 2:06
2. John Martin 1:38

Junior:
1.Heather Arak :22.

PENNY PLANE:

1.Carl Hedley 6:11
2.Dave Kiefer 3:05
3.Jim Stewart 3:01
Juniors:
1.Dave Bal 42.4
2.H. Arak 30.3

[INDOOR ISN'T FOR EVERYONE]

CHANGE IN DATE

NEXT FLY-IN: SUN. MAR. 21 MIAMI/DADE/SOUTH 9-5

NEXT MEET APRIL 18 NOT ON APRIL 11 (EASTER) OPA LOCKA 9-5

MORE "INDOOR WEEK" RULES:

(3) MORE RULES PROPOSALS: and how! It seems that there is an idea who's time has come..Almost every indoor flyer has a desire to see a smaller, more easily transported, less fragile, world class FAI F1D contest model. There are as many sets of proposed rules as there are interested indoor flyers. Erv Rodemsky, Dan Domina, John Triolo, Manny Radoff, Tom Vallee, and Jack Carter are those who have already suggested rules, and more to come, no doubt

To sort out the metal from all this dross (Or the wheat from all this chaff), Don Lindley has made a sterling suggestion, and it has been approved by the CD's of the AMA indoor meet at west Baden on June 14,15,& 16...A SPECIAL EVENT...let's call it:

THE SMALL FAI CLASS - we will fly all the models built to the various proposed rules and see how they do. (MON. JUNE 14)

So be informed, all you brain-stormers, that your rules, and the model(s) built to them will be put to the test. Either be there to fly your model-complete with YOUR set of rules- OR send your model to be proxy flown.(Or forever keep your peace).As old Ronny says: Put up or shut up...and that man is the President!

The NFFS will sponsor the first three days of INDOOR WEEK this year at West Baden, so get in touch with Tony Italiano, 1655 Revere Dr. Brookfield, Wis. 53005 we understand that Hardy Broderson and Tony Italiano will CD the meet...More later. AMA P-NUT-WED. JUNE 16TH

BOSTONIAN RULES:

UNLIMITED FLIGHTS - R.O.G.

1. Maximum wing span, 16 inches.
2. Maximum wing chord, 3 inches.
3. Maximum length, thrust button to furtherest point aft, 14 inches.
4. Maximum prop diameter, 6 inches.
5. Biplanes OK, but total wing area is 48 sq. in. maximum.
6. Model must have at least two 3/4-inch wheels.
7. Minimum weight without rubber is 10 GRAMS
8. Model must have at least 1 sq. inch of windshield forward and the same amount of side window area on each side. Biplanes with cockpit must have 1 sq. in. windshield only. →
9. Model must be designed so as to contain an imaginery cargo box 1-1/2x 2-1/2x3 inches.

CHARISMA FACTOR: 1.0 → 1.2 X 2 BEST

MANHATTAN RULES

The OFFICIAL Manhattan Formula Rules

1) Airframe weight, less rubber...minimum 4 grams.
2) Overall Length...20" maximum measured from front of prop bearing aft.
3) Fuselage: (a) Must support and enclose a single rubber motor. No motor sticks.
(b) Must include or excede a 'box' 2½" x 4" x 2".
(c) Must have a windshield of 2 sq. inches minimum area, plus a window on each side of 1 sq. inch minimum area covered with cellophane or similar transparent material.
4) Prop...All wood, direct drive, fixed pitch.
5) Wing...Monoplane with maximum projected span of 20" and maximum 4" chord. Wood bracing allowed.
6) Stab... Monostab with maximum projected span of 8" and maximum 2½" chord. Wood bracing allowed.
7) Landing Gear...Rigid and fixed with at least 2 wheels of 1" diameter. Must be able to support airplane.
8) Covering...Except for windshield and windows, only paper (condenser paper included) allowed. No film nor microlite.
9) Flying...All flights at least two point R.O.G. Best single flight counts of unlimited number of official flights (or of limited number of flights if desired).

KIT/PLAN SCALE RULES

(1) SCALE RUBBER MODEL FROM KIT +/OR PUBLISHED PLAN.
(2) DOCUMENTATION - PLANS ONLY, NO 3-VIEWS OR PHOTOS.
(3) TISSUE ONLY, DOUBLE COVER. FOLLOW PLAN STRUCTURE, WOOD SIZE, DETAILER.
(4) CHANGES IN PLAN ALLOWED ONLY IN PROP, RUBBER, NOSE BLOK MOUNTING.
(5) STATIC - 100 PTS. - 60 FOR FIDELITY TO PLAN, 40 CRAFT. FLY: MAX. IS LIMIT TO STATIC TOTAL. FLIGHT SCORE - BEST 2 OF 5 - R.O.G.

MORE RULES - CONT.

Unlimited Rubber Speed Rules: 1. Models must be rubber powered & prop driven. 2. Models must start from an unassisted HOG launch from a 3 point sitting position. 3. Model to be timed for two complete laps around two pylons set 20 feet apart. 4. Flights will not count if model touches the pylon or ground after crossing the starting line. 5. The timer will stand in line with the two pylons. Timing starts when the model crosses the line determined by the two pylons and ends when it crosses the line after completing two laps. 6. Time pieces must be able to time to 1/100 of a second. 7. Shortest time for two complete laps determine the winner. 8. No limit to the number of models, or launches.

Peanut Speed: The unlimited rubber speed rules apply except for the following changes: 1. The models are limited to Peanut Scale models. 2. The models' score will be determined as follows:

Score = $\frac{1000}{TIME}$ Plus scale points. Where "Time" is the time in seconds for the model to fly 2 laps, and "scale points" is the score obtained using AMA Alternate rule 59. 3. Highest score determines winner.

FLYING ACES NO-CAL SCALE

1. A simple event for recognizable profile models with wing span limit of 16 inches. Maximum fuselage width 1 inch, wich includes motor tube, exclusive of nose block or dummy motor. (406 mm span, 12,7 mm thk's).
2. Total of three flights to determine score. Highest score wins. Fly-off to break a tie.
3. Any flight of more than 15 seconds is official. All flights hand launched. No maximum flight time.

JIM MILLER WILL SPONSOR NO-CAL

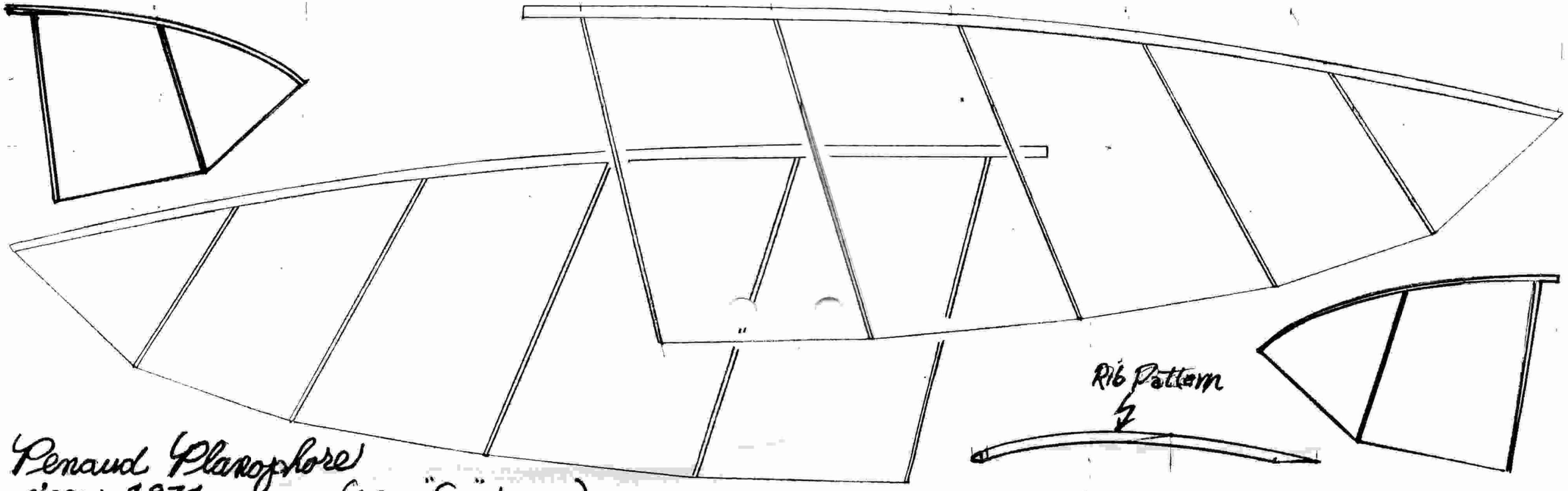
HERE IT IS: INDOOR WEEK 1982 - WEST BADEN

Write Tony Italiano a SASE, 1655 Revere Dr. Brookfield, Wis. 53005
Check in Sat. or Sun. June 12 (or 13) Practice day is Sunday.
Mon. June 14: 8 to 1 Manhattan & Bostonian, 1to 6; EZB & paper stik
After 6 PM is the trials for the proposed new FA1 class
Tue. June 15:8 to 12-Penny & Nov. Penny. 12 to 8, FID flown in 6 rounds - 80 min. per round. Also 12 to 8: Indoor Stik, HOG Cabin.
Wed. June 16:(Turn in Scale by 8:00 AM) 8Am to Noon- HL Glider, 12 to 5 is AMA and Peanut scale. ALSO KIT PLAN SCALE ADDED EVENT BY CALUMET MODEL CLUB, and PEANUT AND UNLIMITED SPEED EVENTS
7 PM is NFFS Awards banquet.(
Thurs: Start of VIINART..Write MIAMA or see issue 76 of Hangar Pilot(Applica) "Heavy" indoor models..8AM to 7Pm (MAN. BOST. PENNY, OLD EZB)
Fri.:(Turn in scale models by 10 AM) "Light models" 8 to 7, BANQUET 7 PM. World Peanut Grand Prix starts at 8 PM. Ends Sat at 8 PM (24 Hrs)
Sat.:Glider and Scale day, 8 to 8. Includes P-Nut and Unlimited speed(Again)

NFFS

VIINART

ALSO ON SAT: JIM MILLERS' NO-CAL SCALE
$2 ENTRY 1, 2, +3 TROPHIES [CONCURRENT W/ W.P.G.P.]

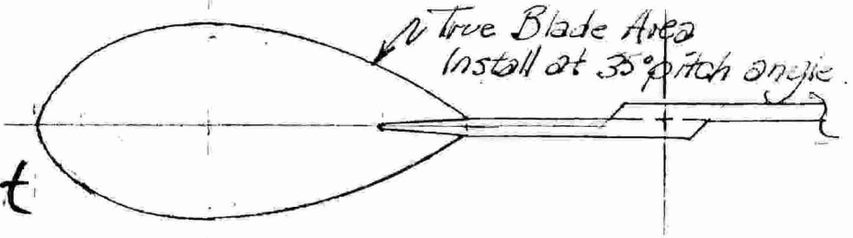


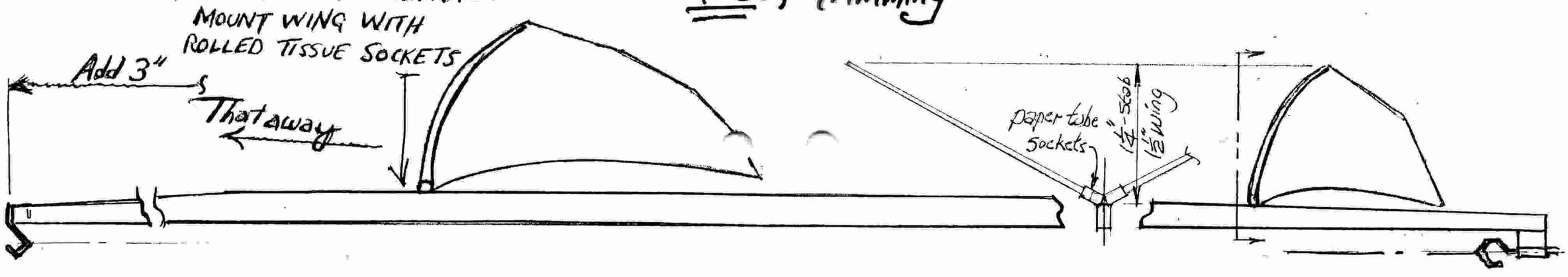
Rib Pattern

Penaud Planophore
circa 1871
Carl Hedley 7/16/80
Replica based on info in
May '55 issue of Model Airplane News

(A Real "SAM" Indoor)

Build it like a heavy EZB
Requires slight side thrust and a lot of trimming





INDOOR WEEK IS GO! (NATS ARE NO!)

JUNE 13-19 WEST BADEN. NFFS PICKED UP THE GAUNTLET, DROPPED BY AMA, AND IS SPONSORING AN AAAA INDOOR MEET PRIOR TO III NART. SEE PAGE 3 FOR DETAILS. CALUMET MODELERS ARE HOST TO KIT/PLAN SCALE - (P. 3) A GOOD BEGINNERS EVENT.

World Peanut Gran Prix and SNART

PLAN AHEAD

Now is the time to start looking forward to participating at the Second World Peanut Gran Prix on June 19,1982, in West Baden, Indiana. We prefer you to show up for the fun, but if you can't make it, be sure to send a proxy entry, 2 models maximum. We have given a lot of thought to this aspect of the meet and are trying to improve methods of shipping, flying and returning these precious models. In addition, we want everyone who participates to have a souvenir of the meet, and COMPLETE results so he can see how he and his friends fared, and can improve on his weaknesses for subsequent contests.

The classes of model are slightly different for '82:

Category I	Pioneer - up to World War I
Category II	Warplanes - combined WW I and WW II aircraft, excluding liaison, sky cyles and personnel planes that were very similar to civil aircraft (You KNOW the ones we mean!)
Category III	Golden Age - between the Wars (I and II)
Category IV	Modern Age - after World War II, Lacey's and Fike's not allowed
Category IVA	Modern Age - Lacey's and Fike's (one trophy)
Category V	Weirdo - this includes multi-engined planes, flying boats (not cubs on floats), amphibians, auto gyros, helicopters, triplanes or quadraplanes (NO canards, pushers, or flying wings, unless they are also one of the above categories). The reason for excluding the latter weirdos is - they fly to well.

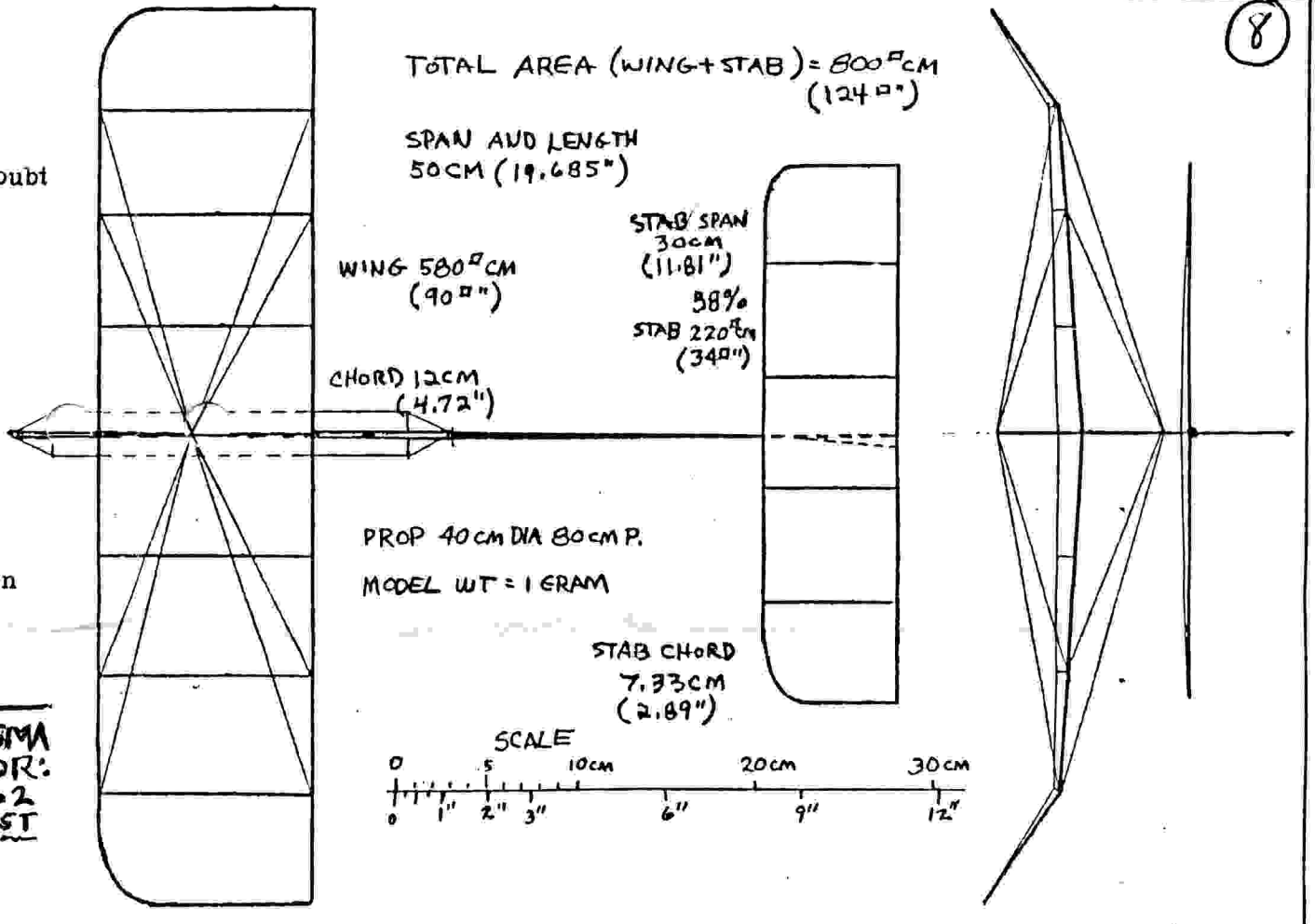
Planes entered in the Weirdo class can also be entered in its other class - pioneer, modern, etc.

As most hangar pilots know, you can enter more than one plane in any category, but only your best effort counts.

The meet itself is the only 24-hour meet ever scheduled. This year hand-launched flights will be allowed in all classes. However, if you fly rise-off-ground; we will add 10 seconds to your flight time.

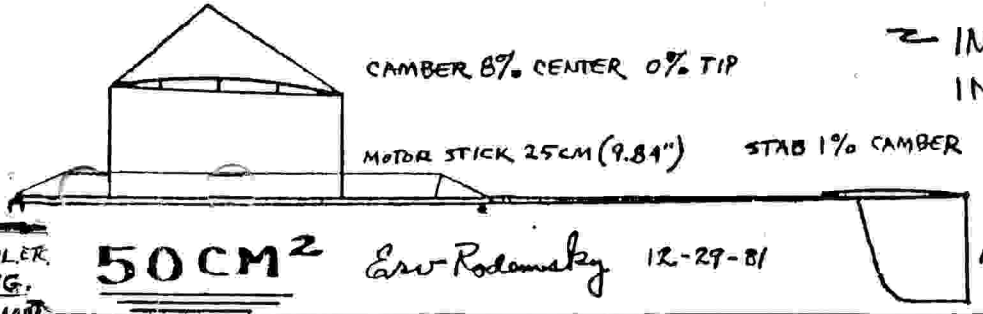
AWARDS -	Trophies and merchandise for each class (1 for Class IVA) plus: High Time Award High Static Score Award Fun Events, Mass Launches, Etc.

FOR APPLICATION - WRITE: MIKE ARAIK 10900 SW 91 CT. MIAMI, FLA, 33156



NOTE: RECOMMEND RULES LIMIT MOTOR WEIGHT TO .75 GRAM

WASH IN LEFT WING 4MM
TILT STAB 15MM



~ INTERMEDIATE CLASS INDOOR MODEL ~

NOTE: THIS MODEL IS BUILT TO ERV'S NEW PROPOSED: "SMALL FAI CLASS" RULES.

50CM² Erv Rodemsky 12-29-81

(9)

A TRIBUTE TO BILL MATHEWS DIST V V. P.

Indoor Contest Board Established -

The AMA Executive Council has officially "recognized" Indoor as a "primary category" of modeling, thus authorizing the establishment of a separate Contest Board! This action should help both outdoor and indoor free flight by allowing a greater degree of concentration on contest rules by persons most interested and affected. Also, it may be a result of the recognition by the Council that Indoor is a "sleeping Giant" — Indoor has the potential to become as large as , gasp, RC. Indoor is catching on in Japan, for example. Indoor is relatively inexpensive, and there are a multitude of indoor sites (school gyms, church recreational halls, etc.).

The Executive Council was quite impressed with the new Indoor film, and it is possible that the film had a great influence on the voting. The new Indoor Film can be obtained from the film library in 16mm or videotape versions (the videotape version can be purchased fairly cheaply).

I will soon have to appoint a Contest Board member for the new Indoor Contest Board. Nominations will be appreciated.

The above is part of an article by Bill Mathews, 311 Poinciana Dr. Birmingham,Ala. 35209. in the Jan-Feb. FFFliar.(Remember we stole the Peanut FRED out of a 1981 Issue?)

In these days of insensitive people and administrations (were they ever sensitive?) we are blessed to have, as our Dist V V.P. Mr Bill Mathews, and we would like to bring our readers to recognise him, and to heap a little praise on his head. Notice he calls indoor a "sleeping Giant" so it is easy for us, the only indoor newsletter in AMA to find him praiseworthy. So be it. We suggest you write the above address & get his FFF Fliar newsletter. He does not have tunnel vision,as some of US do, and represents all the modelers. Nice Goin', Bill !!!

GRAPE NUT SCALE EVENT AT MEET 8, ON MAY 9 FOR 'MARTIN TROPHY.' PLANS AVAILABLE AT MIAMA HQ.

WHAT ABOUT OUR "JUNIOR" PROBLEM? By T. RIMERT OUR MAIN OUTSIDE

Our "JUNIOR" problem keeps co ming up all over the place, and except for a few individuals all we seem to do is pay it a lot of lip service. Other people say its a beginner problem, and not just juniors. Then some people say its really not a junior problem, but a parent problem. I tend to think its all the above. I've seen lots of beg inners who have an interest go for a while, and quit, because they lost the interst. Can,t see the fun in it. That's okay. I've seen a few driven off by a poor reception from other modelers. That's no good. I've heard some say they can't afford it. That's ridiculous. Anyone can afford small rubber powered models. But, I,ve seen lots of interested kids who would like to start out modeling, but have no help close to home, and no way to find help, or no way to get to a place where they can fly if they do get their models finished. Very few parents will take time to carry their kids to the flying field, and help them fly, or just get them to the field so someone else can help. Even the kids of modelers can't come to the field, becasue they are too much trouble to watch, while dady flys his plane. But there are a lot of adults who really get a kick out of helping youngsters, and they are in Boy Scouts, or 4-H or school teac , or places like that., ,and they need projects for the kids they are working with. Once in a great while, the person who is a school teacher, or a Den Mother or something like that is a modeler, and the kids build models, otherwise they make leather wallets, or study Indian lore or a lot of other useful things. There are never going to be enough people teaching models to juniors to satisfy the people who are "worried" about the junior problem, but one way to get a lot more of them is to get all these people who are working with youngsters to teach them modeling. But they don't know anything about modeling, so how can they teach it. How can these people learn how to teach kids about models? Try the AMA? Ask them for a little help and they send you a delta dart. Thats why only modelers teach modeling. And they all teach it differently too. Each according to his own modeling skill and his own favorite type of modeling. Some control line flyers teach lots of kids how to put together and fly a controlline plane., but never teach kids about building rubber powered models or indoor or outdoor, even though this will be the best tool for teaching kids about tri ming models to make them fly right. They can't teach kids this because they don't know about it themselves. Free Flight flyers teach kids about rubber models, but not control line, because they don't know about control line, even though this is the best way for kids to learn about motors and getting them to run right. Neither the control line flyer or the free flight flyer get into radio with the kids for a lot of other reasons besides their not knowing about radio. I've never seen a radio flyer teaching a group of kids about models!! There has been a lot written and published by modelers who have had succesful programs for teaching be giners. A lot of these programs have had short co mings, and were made up for by enthusiasm, But there should be a good place for someone to be able to get all the information they need to run any kind of program they want. AMA should gather up all the available information, and form it into a workable program that people could use. That will take a lot of doing, but it needs to be done. And everyone who teaches kids should be mdae aware of this information being available, and have easy access to it. This is a lot of work, and expense, but there are a lot of manufacuters of leling suppliers who should be more than happy to take care of issu ing this information, and increas ing their markets. There are also a lot of aircraft manufacturers who should be encourag ing youngsters to be interested in aviation. Why arn't there a lot more programs like Boeing Aircraft was running which provided scholarships for top modelers, and got a lot of Public ity ?

CHANGE NEXT MEET:
APRIL 18 NOT 11 APR.

WINTER FE FUN!!

Complete catalogue of the most comprehensive aeronautical collection in the world.

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THE HANGAR PILOT

EDITOR: DR. JOHN B. MARTIN MIAMA
8227 DARWIN ST. MIAMI FLORIDA 33133

USA 20c

TO:

JIM MILLER
827 YORKHAVEN RD
CINCINNATI OH 45240

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