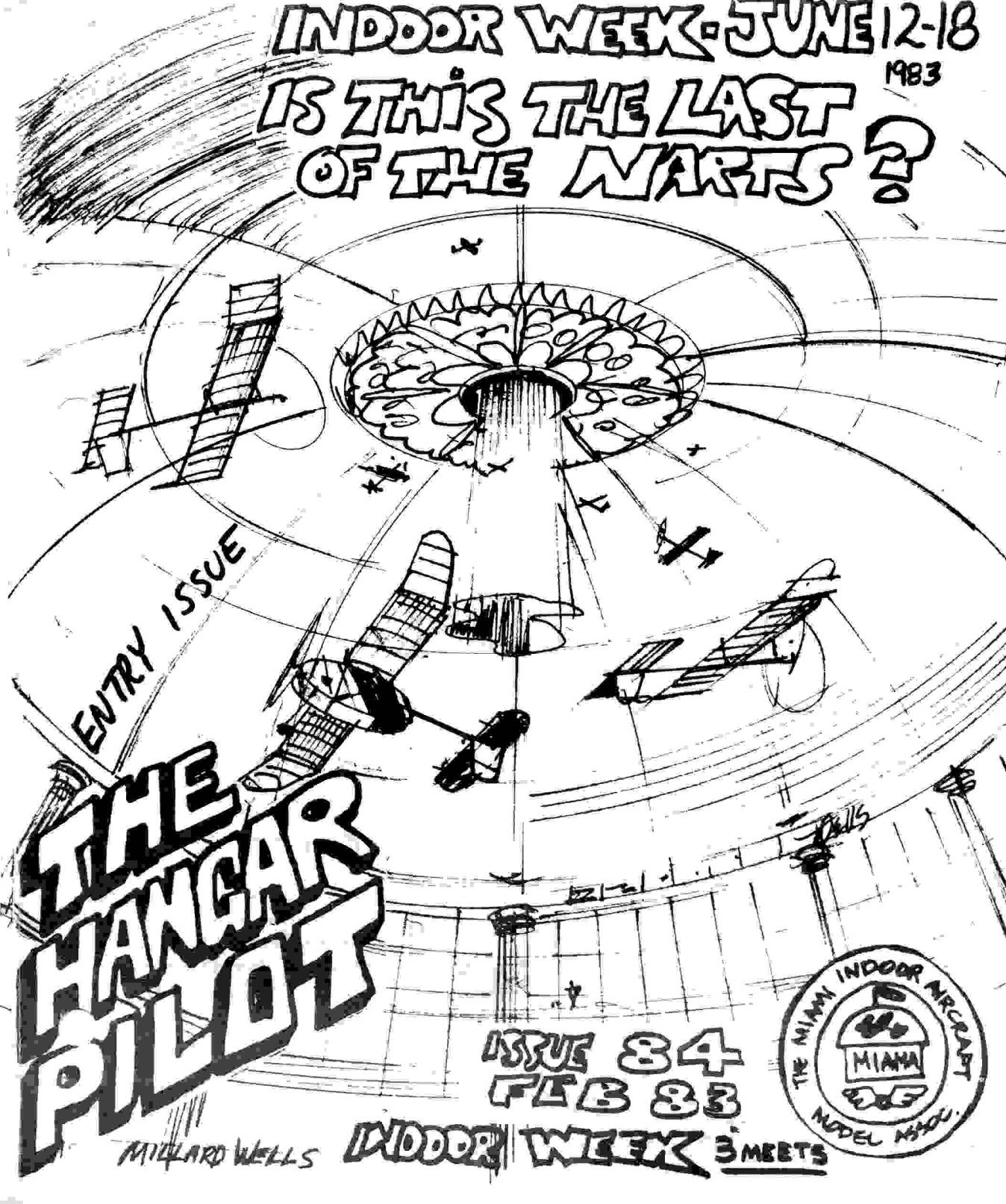

INDOOR WEEK - JUNE 12-18
1983
IS THIS THE LAST OF THE NATS ??
ENTRY ISSUE
THE HANGAR PILOT
MILLARD WELLS
ISSUE 84
FEB 83
INDOOR WEEK 3 MEETS
THE MIAMI INDOOR AIRCRAFT MODEL ASSN.
MIAMA

INDOOR WEEK STARTS WITH THE 2ND U.S. INDOOR CHAMPS

JUNE 12,13,14,15



FEES:
OPEN: $10.00
EACH ADDITIONAL EVENT 3.00
JR/SR $5.00
ADDITIONAL $2.00

NFFS

Circle Events Entered

1. Hand Launched Glider
2. Paper Stick
3. ROG Cabin
4. F1D
5. Easy B
6. Pennyplane
7. Novice Pennyplane
8. Manhattan
9. Bostonian
10. Indoor Stick
11. Peanut Scale — 51A RULE
12. AMA Scale
13. Peanut Speed
14. Unlimited Speed

INDOOR WEEK PART I



NFFS

ENTRY FORM - U.S. CHAMPS

Please print

Name _____ AMA No. _____
Last First Initial

Street _____ AGE CLASS: _____

City State Zip

I hereby certify that I understand all of the rules under which I will compete and will diligently follow the official AMA safety code as well as any that may be established on site as well as apply the use of good accepted common sense in all my flying and affairs at Northwood Institute.

NOTE: Open contestant must be a member of NFFS or NIMAS and AMA.

Signature

Room reservations - $10.00/nite/person
(Northwood Institute provides linens)

Evening of	6/10	6/11	6/12	6/13	6/14
Contestant					
Guest					
Guest					
Guest					

CAT III

Entries must be postmarked by June 1, 1983

Breakfast/Lunch/Supper available most days payable at Dining Room

Banquet - $10.00 per person

LATE DATE



Send fees payable to:
A. J. Italiano
1655 Revere Dr.
Brookfield, WI 53005

Must be postmarked by June 1, 1983
Late entry fee of $5.00 payable on site.

Contest Sponsors:
National Free Flight Society
National Indoor Model Airplane Society
CD'S - H. BRODERSEN C. SOTICH
G. WISNIEWSKI, A. ITALIANO

NEXT PAGE: THE DALLAIRE "JAPANESE KAWASAKI"

Here is the second of the tiny 1930's biplanes that inspired the Peanut movement. (We published the Megow Boeing P-12E in issue 82). According to Dave Stott (From whom we got these original Dallaire plans, circa 1934)he said that the flying ability of these two little rascals were an inspiration to him. You must admit that these plans are ingenuous. To this I can only say "Onward and upward oh great peanut movement!!"

RESULTS OF MEET FOUR *MIAMI DADE COLLEGE * JAN 16 1983 CD J. MARTIN

Peanut Scale Event:

1.Walt Everson	6 Pts.	(Waco E 28.8) 3 Static, 3 Flight	(42.1)	(37.9)	
2.John Martin	6 Pts.	(Dornier Komet 24.5) 5 Stat.,1 fly	(49.5)	(56.2)	
3.Mike Arak	7 Pts.	(14-Bis 34.2) 2 stat., 5 fly	(33.0)	(32.0)	
4.Millard Wells	8 pts.	(Wee Bee 25.5) 4 stat.,4 fly	(40.0)	(38.0)	
5. e Kiefer	9 pts.	(Sop. Tripe 38) 1 stat.,8 fly	(27.0)	...	
X W. Everson	11 pts.	(Found grapen. 15.5) 9 stat.,2 fly	(46.6)	(590)	
6.Dick Kelso	14 pts.	(Jenny 23.0) 7 stat.,7 fly	(16)	(15.9)	
XM. Wells	14 pts.	(Wittman V 22.0) 8 stat, 6 fly	(21.5)	(22.6)	
X M. Wells	14 pts.	(Meyers OTW 24.5) 5 stat.,9 fly	(21.8)	...	

SCALE EVENT: 1.Dave Kiefer (Lacey 82.2) Fly 53.5 135.7
2.Mike Arak (Lacey 65.0) Fly 48.3 113.3
3.John Martin (Alco 79.5) Fly 19 98.5
4.Dick Kelso (Jenny 60.0) Fly 16 76.0

P-24 Class..Carl Hedley 1:24

Easy B: 1.Mike Arak 5:58.2
2.M. Wells 3:12
3.Dave Kiefer 2:31

GLIDER: 1.Don Bal (36.2)(36.0)
L.Jr David Bal (20.7)(17.0)

Old ROG: 1.Mike Arak 2:33.2
2.W. Everson 2:30.9
3.D. Kiefer 1:45
4.J. Martin 1:06

Junior enduro:1. Sue Arak 39.0

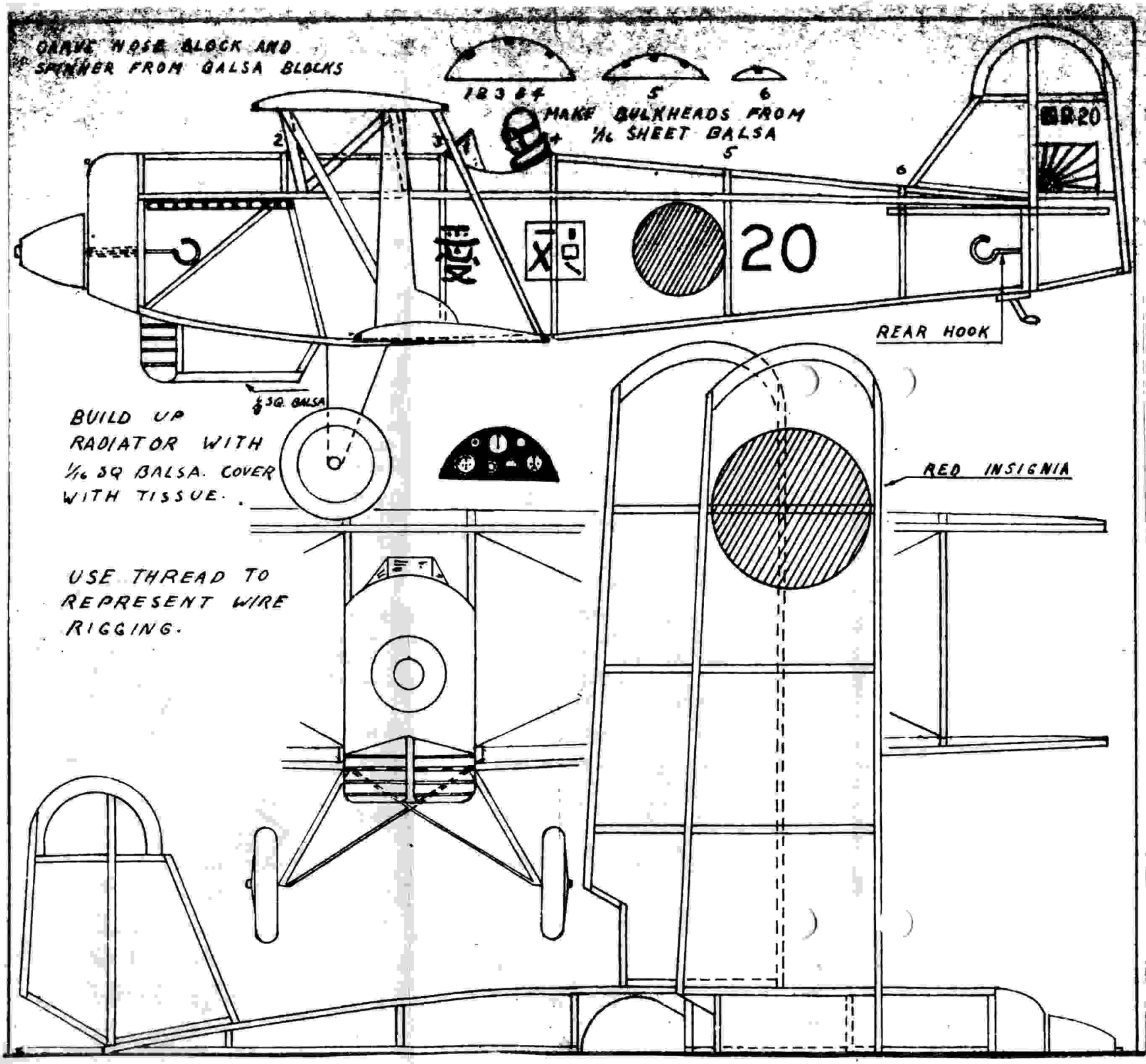
Junior ROG 1.Sue Arak 21.5

NEW! NEWS! NEXT

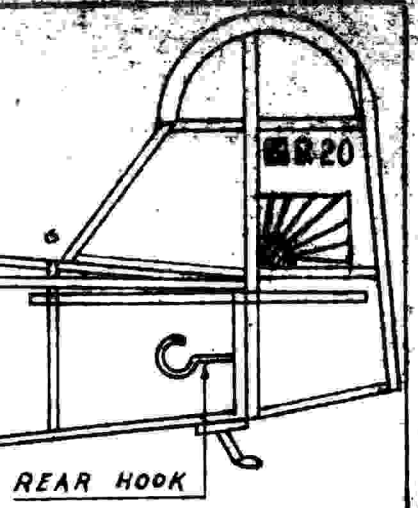
HEY! MIAMA IS NOT IN A RUT! 1ST IT WAS THE BOXING GYM—NOW THE KEYS FLY IN ON FEB 20TH FROM 9 TO 3 ON U.S. 1 AT MILE MARKER 89 CORAL SHORES SCHOOL B .D A GRAPENUT MODEL FOR THE MILLARD WELLS PISTACIO TROPHY. DINNER AT 5:00 AT ART GALLERY

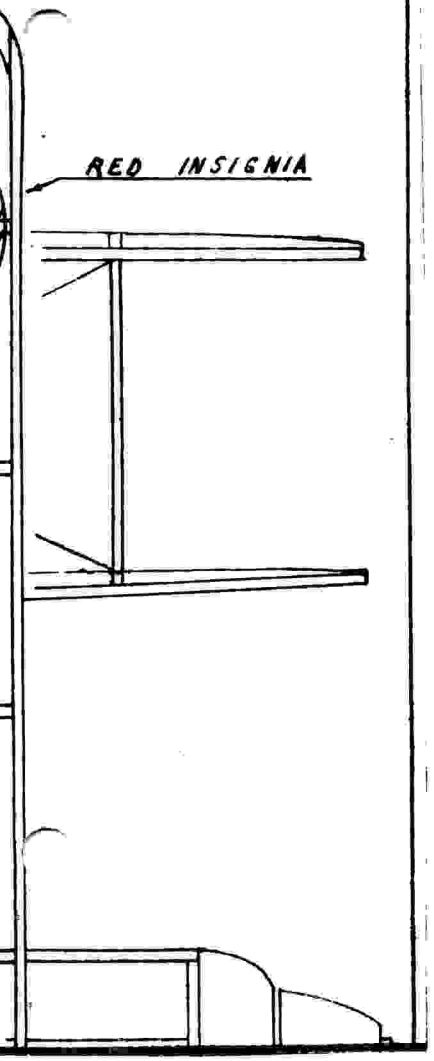
CALL WELLS 852-8430

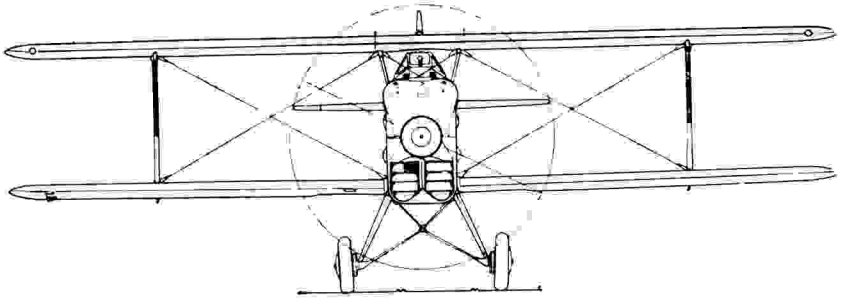
NEXT MEET: FEB 27 MID SOUTH COL. 9 TO 5

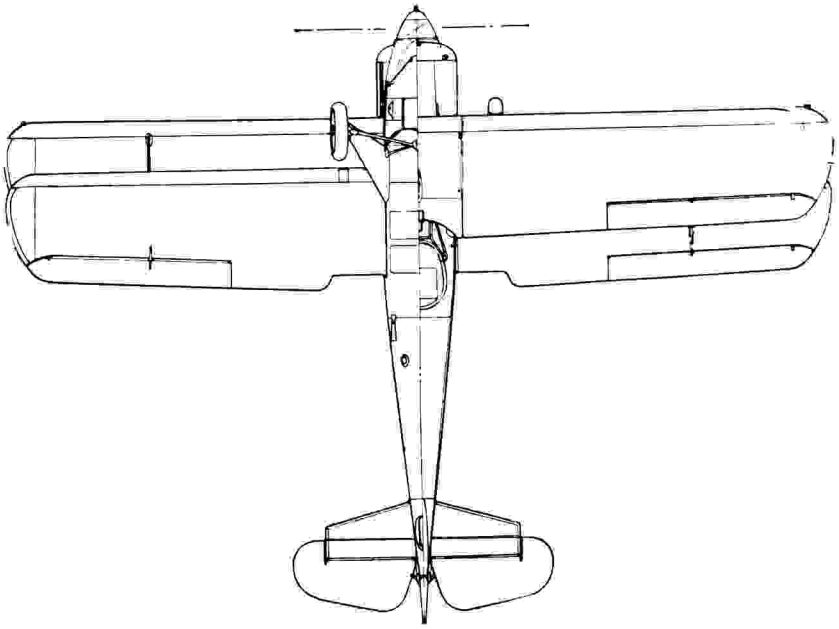

CARVE NOSE BLOCK AND SPINNER FROM BALSA BLOCKS
1 2 3 4
5
6
MAKE BULKHEADS FROM 1/16 SHEET BALSA
5
2
3
4
6
20
REAR HOOK
1/8 SQ. BALSA
BUILD UP RADIATOR WITH 1/16 SQ BALSA. COVER WITH TISSUE.
RED INSIGNIA
USE THREAD TO REPRESENT WIRE RIGGING.

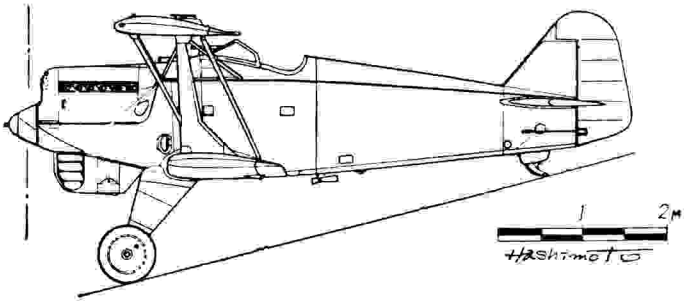
九二式一型戦闘機 (川崎 KDA-5)





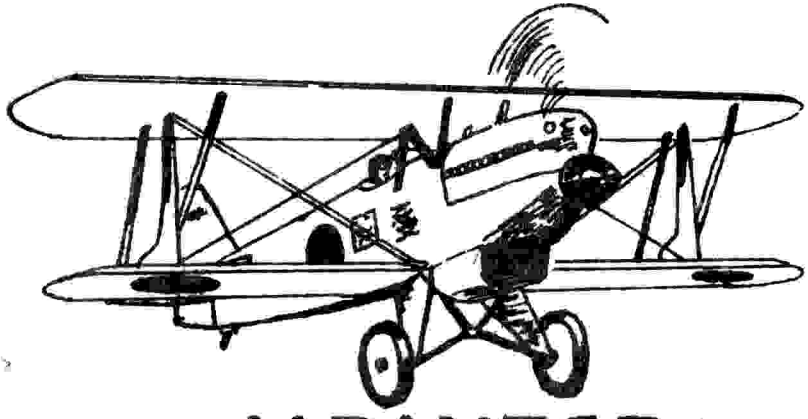






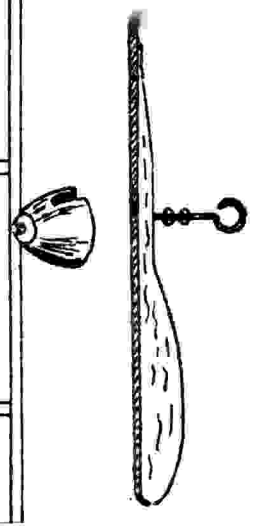
FEB 20 → KEYS FLY IN ~~~ FEB 27 → MEET 5 MI/DADE SOUTH COLLEGE

IF MODEL STALLS ADD A SMALL WEIGHT TO THE NOSE. IF IT DIVES WARP ELEVATORS UP. MODEL SHOULD FLY ON TWO STRANDS OF 1/8 FLAT RUBBER.

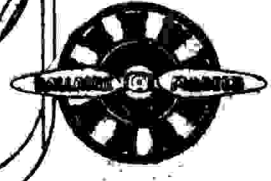


JAPANESE KAWASAKI FIGHTER

ARMY TYPE 92



CARVE SPINNER AS SHOWN AND MOUNT ON PROP



SCHEDULE OF EVENTS - INDOOR WEEK

SAT, JUNE 11 - CHECK IN - ALL DAY PRACTICE

SUN, JUNE 12 PRACTICE TO NOON: EASY B & PAPER STICK TO 6PM. FID PRACTICE AFTER

MON, JUNE 13 - HL GLIDER 8:00 → 12:00 INDOOR STICK + FID 12:00 → 8:00PM, 4 2HR ROUNDS.

TUE JUNE 14 - 7:00 → 10:30, MANHATTAN, BOSTONIAN

TURN IN ALL SCALE MODELS BY 9:00

10:30 → 3:00 PENNY + NOVICE PENNY

3:00 → 7:00 2 FID ROUNDS, ROG CABIN

BANQUET - 7:30 P.M.

WED. JUNE 15 - 8:00 → 1:00 AMA SCALE, P-NUT (51-A) P-NUT SPEED, UNLIMITED SPEED, KIT PLAN SCALE

1:00 → 9:00 PM START OF ENART
ALL "HEAVY" MODELS MANHATTAN, BOSTON. PENNY, NOVICE PENNY.

THURS. JUNE 16 - 7:00 → 7:00 ALL "LIGHT" MODELS FID, HL STICK, PAPER STICK, "A" + CABIN R.O.G., HELI., AUTOGIRO, ORNO. TURN IN ALL SCALE BY 10 AM

8:00 P.M. ENART BANQUET { SEE WED. ABOVE EVENTS

FRI. GLIDER + SCALE DAY 7:00 → 9:00

7:00 PM START OF 24 HOUR WORLD P-NUT G.P.

SAT. 7:00 PM. END OF GRAND PRIX 8:00 P.NUT BANQUET

ne 1, 1983

most days

ENART + 24 HR WORLD PEANUT GRAND PRIX:

RULE 51 B (AMA) Pg 76

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 3½" 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).

Bostonian Rules: 1. Maximum projected wingspan(s) 16". 2. Maximum wing chord(s) 3". 3. Maximum propeller diameter 6". 4. Power limited to one or more rubber motors. *5. Minimum weight without rubber motor(s) is 7 grams. 6. Maximum overall length is 14" measured from the front of the propeller bearing. 7. Fuselage must contain a theoretical "box" measuring 1 1/2" X 2 1/2 X 3" or larger, the longerons of which must both support the motor(s) and form, or exceed, the box requirement. No motor stick allowed. The fuselage must have a forward windshield and a window on each side, each of which must equal or exceed 1 square inch. 8. Landing gear must be fixed, with two or more minimum diameter 3/4" wheels, and rigid enough to support the model to a hand glided landing. 9. ROG take offs are required on all official flights. 10. Charisma Factor: The judge rates each model on how the model appeals to him, based on construction neatness, scale/like details, uniqueness of design, etc. A 1.0 to 1.2 rating is used. Two or more models may be given the same rating. The models are not rated against each other, but against the 1.0 to 1.2 scale. 11. An unlimited number of official flights are allowed, with the total in full seconds of the best three flights multiplied by the Charisma Factor.

*ENART IS 10 GRAMS AIR CONDITIONED MOTEL: Lane's Motel Box 224 French Lick 47432
1-812-936-9919
West Baden Springs Motor Inn. Box 38 West Baden 47469
1-812-936-9995

THE LATEST INDOOR NEWS INSIDE
THE HANGAR PILOT
EDITOR: DR. JOHN B. MARTIN MIAMA
3227 DAPONIN ST. MIAMI FLORIDA 33133

JAN26 PM 1983 331

USA 20c

Jim - I presume you'll do the above board & the profile again? I'll include more about the FAC event in next issue. If you give me some more info.

Regards,
Doc

TO: Jim Miller
827 Yorkhaven Rd.
Cincinnati, OH
45240

1ST CLASS
NOT JUNQUE MAIL