THE PARACLETE OF INDOOR

1993

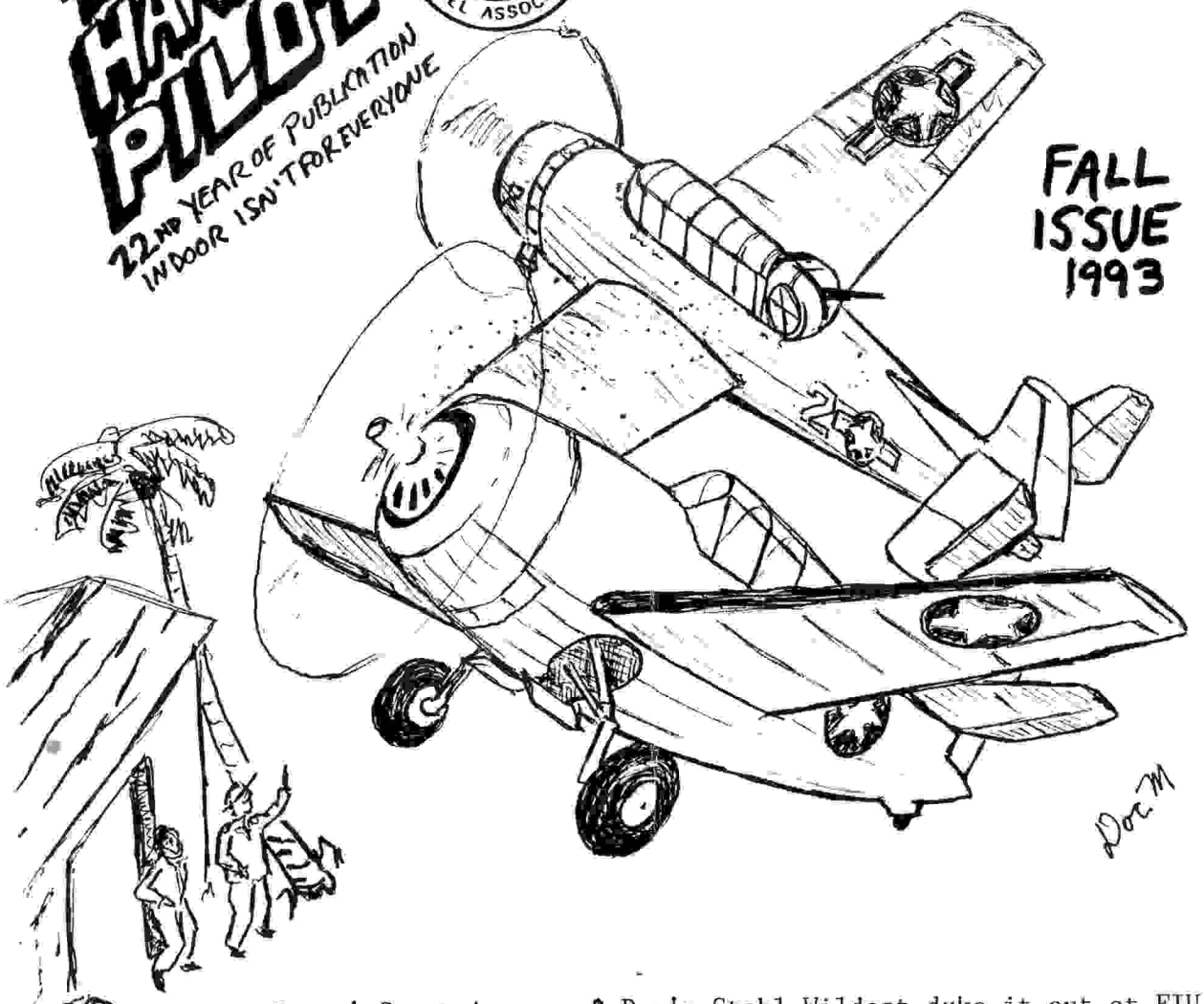
THE HANGAR PILOT

MIAMI INDOOR AIRCRAFT MODEL ASSOCIATION — MIAMA

ISSUE 158

22ND YEAR OF PUBLICATION
INDOOR ISN'T FOR EVERYONE

FALL ISSUE 1993



George Nunez' Comet Avenger & Doc's Stahl Wildcat duke it out at FIU

NEXT MEET OCT 30, 31 ST PETE/CLEARWATER AIRPORT
USCOAST GUARD HANGAR 9-5 FAC MASS LAUNCH - GOLDEN AGE
MIAMA AWARDS DINNER - SAT OCT 30 94TH AERO SQ'N



"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 986. 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,]-views, complaints, gripes and compliments to: Dr.John Martin Jr., President / Editor, 3180 Tigertail Ave., Miami, FL 33133 USA. phone: 305-858-6363.

MIAMA..AMA CLUB 986;FAC Sqdn,#11

SEPTEMBER SONG

Are you alive? Are you sure? Have you asked your wife? Did you check the Obits? When was the last time you saw your name in print? it should look like this:

3rd Place- George Ghost Nesmith Cougar 52.5 Sec.

Now you have proved to the world you are alive and having fun. You showed 'em that you can still (a.) build a model, (b.)get it trimmed to fly over 50 seconds,(c.) get up early and drive to a meet, (entered the contest thus supporting your hobby, your club, and free flight in general) (d.) managed a third place finish which got your name printed. BOY, was that satisfying! Great memories of your Cpugar circling overhead. You saw some friends you hadn't seen in years. You saw some innovations you'ld like to try and got inspired to build another model. You had fun and your couch didn't miss you all day long.(Neither did your wife).

See how it works, ghost squadron? You put forth a little effort, and get great rewards. Participation is the key as our ranks thin, and each publicati on seems to mark the passing of an old pal.

THIS FALL Here comes indoor season #23. Usually over 30 modelers fly at least once in our series of State meets, and half that many fly for annual points to compete for a class trophy (Peanut, EZB, Coconut, Penny, Mini-Stick, etc.) and also try to win the State Championship. We hope to be writing YOUR name in the results. Wayne Trivin has set a new Guinnes record by winning MIAMA Florida State Championship FOUR YEARS IN A ROW! I think Wayne is getting pretty cocky and if he isn't careful someone is going to come along and knock him off his pedestal. The only trouble is he is such a great modeler, indoors and out and he builds and flys everything well. He has equals or better in separate classes, but few build such a diversity of great model airplanes.As far as I remember the only classes he HASN'T built are Dime Scale, and Coconut. Congratulations, Wayne- we'll beat you yet.

Elswhere are all the point earners, and winners in all our classes. WE fly EZB,Penny, Bostonian, FAC Embryo Endurance ,FAC Scale and No-Cal, Glider, Mini-Stick,Pistachio, Coconut, and Dime Scale. We fly an FAC mass launch, and the Sidney Gilbert inspired Coconut and Peanut mass launch.* If you have a favorite event come on out with your model, or if you want to spend the entire week end fully occupied build entries for several events and watch the time fly by.

This is an unabashed appeal to those Hangar Pilots we never see to come out this season and meet the gang. I don't know why I'm so insistant this season --- I give this pitch at the start of EVERY season, especially to our famous GHOST SQUADRON. It may be because so many of my modeling pals have gone west this past year-- it's very upsetting. I'll see you at the Hangar, and at the Annual awards banquet. See the dates on the back page .make plans!

BUILD NOW FOR THE 1993/1994 SEASON. MIAMA HQ. has plenty of Dime Scale plans. Get in touch with Doc and we will try to meet your needs. MEANWHILE remember ANY peanut, and ANY Coconut will be in mass launch at every meet. Peanut at 2:00 PM on Sat. and Cocont at200. PM on Sunday. MASS LAUNCH FAC...FOR A CANONE...on 5:00 on Sat. Here is the schedule for the FAC mass launch for the entire season: Meet 1, Golden Age; meet 2, Raceplanes; meet 3, World War I biplanes; meet4, Modern; meet 5, World War II; meet 6, Golden age again. GET BUILDING. Meet 7. Raceplanes



GET READY NOW
FOR THE 1993/1994 SEASON
NEXT MEET OCT 30/31
USCOAST GUARD HANGAR ST PETE-CLEARWATER AIRPORT
CAT:II 9705 BRING AMA CARDS
MIAMA ANNUAL AWARDS DINNER
SAT. NITE 94TH AERO SQUADRON 1 MILE FROM USCG

CONGRATULATIONS

Is your name Barker, Criss, Everson, Gilbert, Linstrum, MRRTIN, McCoy, Nunez, Obarski, Schlesinger, or Wells? If it is you've GOT to be at the MIAMA awards dinner to get your award. If you are not one of the above Hangar Pilots come to the 94th Aero Squadron anyway for an evening with fellow enthusiasts....BRING THE LADIES. Order from the menue. Get there 6:30 - 7: 00

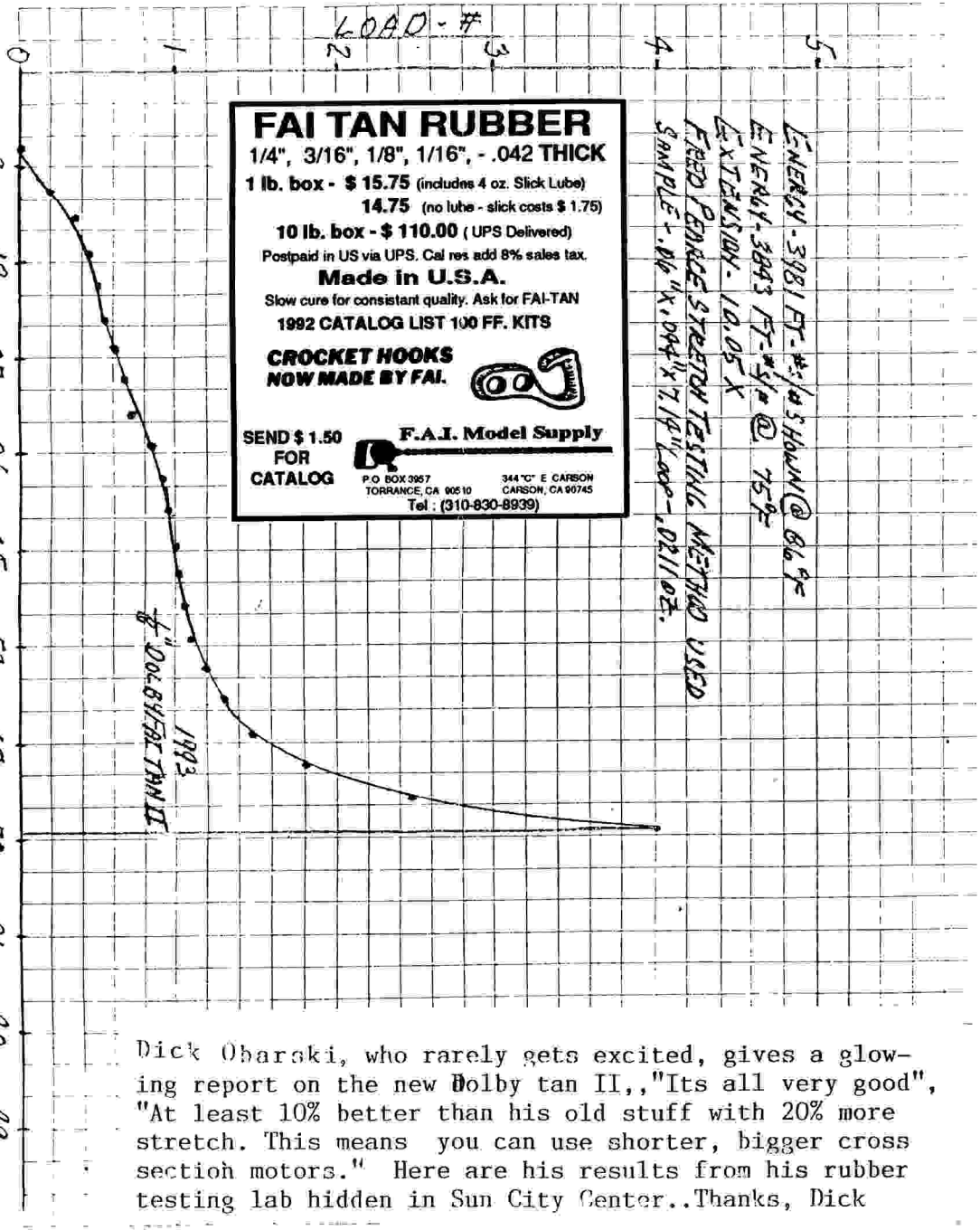
CD Doc Martin ALWAYS CHECK WITH INDOOR HOT LINE THE NIGHT BEFORE MEET
1-305-858-6363

(3)

STL STANDARDS TESTING LABORATORIES INC.

BY RWO DATE 7/11/93 SUBJECT RUBBER ENERGY TYPICAL 1993 DOLBY TAN II SHEET NO 1 OF 1

CHKD. BY ____ DATE ____ JOB NO ____



FAI TAN RUBBER

1/4", 3/16", 1/8", 1/16", - .042 THICK

1 lb. box - $ 15.75 (includes 4 oz. Slick Lube)

14.75 (no lube - slick costs $ 1.75)

10 lb. box - $ 110.00 (UPS Delivered)

Postpaid in US via UPS. Cal res add 8% sales tax.

Made in U.S.A.

Slow cure for consistant quality. Ask for FAI-TAN

1992 CATALOG LIST 100 FF. KITS

CROCKET HOOKS NOW MADE BY FAI.

SEND $ 1.50 FOR CATALOG

F.A.I. Model Supply

P.O BOX 3957 TORRANCE, CA 90510

344 "C" E CARSON CARSON, CA 90745

Tel : (310-830-8939)

Dick Oharski, who rarely gets excited, gives a glowing report on the new Dolby tan II,,"Its all very good", "At least 10% better than his old stuff with 20% more stretch. This means you can use shorter, bigger cross section motors." Here are his results from his rubber testing lab hidden in Sun City Center..Thanks, Dick

WERE YOU BORED THIS SUMMER?

Here at MIAMA we beat the Summer indoor doldrums in various Free Flight ways. Here are a few:

MILLARD WELLS GREAT FLORIDA KEYS ROW MEET July 31 1993

For the second year in a row we had ideal flying conditions at Plantation Yacht Harbor. 10 contestants, 20 models, and lots of spectators showed for the 6th running of the challenging event. A record 15 models were able to take off this year, but a land breeze put some of the models on the tops of the palm trees. Endurance and Scale models were flown as one class, and Stick & profile as another. Walt Everson did the judging and timing. Take offs were judged, olympic style, for realism. Millard provided certificates to all who ROWed, and two magnificent water color paintings to the winners; really great. An 11 O'Clock thunder storm sent us all to the Loreli for a brunch, and awards presentation. There was a great mix of indoor and outdoor Free Flight modelers, and there were a few Video Cams present. Lets see those results preserved on TV.

TOP FINISHERS AT THE MAGNIFICENT WELLS ROW CRAP SHOOT:

Fuselage/	1. Don Brimmer	Jabberwock	92	Stick/Profile	
Scale	2. George Nunez	Aeronca	54	1. Doc Martin	Dip Stick
	X². " " "	Rufe	50	2. Don Brimmer	5 models
	3. Geo. Nunez Sr.	Puss Moth	48		
	X. " " "	Stinson	45		
	4. Millard Wells	Mini Tern	43		
	X. Don Brimmer	Canuck	43		

THE BIG JOHNSON CITY INTERNATIONAL MEET:

You've read all about this great one, but not much about the MIAMA Grand Prix. This year, for the first time, AMA provided trophies for Coconut, Pistachio, and Coconut Mass Launch. Once more the Coconut Mass Launch was spectacular. The Grand Prix results are from INAV:

MIAMA GRAND PRIX

Results from Doc John Martin

COCONUT SCALE 13 entries

			best fly stat pts	fly	pts	total pts
1	Rees	- Travelair	2	2:02	4	6 *
2	Eggert	- Aircoach	4	2:10	2	6 *
3	McGillivray	- Curtis-Reid Pipe	5	2:17	1	6 *
4	Blair	- Alexander Eaglerock	8	1:54	(5)	13
5	Savage	- Grousaard	10	:53	(6)	16
	Rees	- Flemler Storch	1	:48	(7)	8
	Rees	- Zippy Sport	6	2:07	(3)	9

* Tie broken by lowest static score

COCONUT MASS LAUNCH 12 flew

1 Eggert 2 Blair 3 Rees

Summer- CONT. ON P11

PISTACHIO SCALE 21 entries

			best time	total pts
1	Iacobellis	- Martin MO-1	1:19	10
2	Coughlin	- Muboussin FM X	:34	11
3	Linstrum	- Folker Universal	:30	12
4	Martin	- Goldwing Ultralite	1:31	12



"We can't live with my parents. They're still living with their parents!"

WE'RE PROUD OF THESE HANGAR PILOTS!

ENTERIAS NON EST OMNIBUS

M.I.A.M.A. HALL OF FAME 1992/1993

FLORIDA STATE CHAMPION: WAYNE TRIVIN

RUNNER UP: DICK OBARSKI

TOP TEN OVERALL:

		Points
1.	Wayne Trivin	131
2.	Dick Obarski	113
3.	Doc Martin	111
4.	Millard Wells	107
5.	Dave Linstrum	82
6.	John Barker	74
6.	Sidney Gilbert	74
8.	Walt Everson	43
9.	Walt Schlesinger	35
10.	George Nunez	32

COCONUT SCALE EVENT

1.	Dave Linstrum	16
2.	Doc Martin	11
3.	Millard Wells	10
4.	Walt Schlesinger	6
5.	Walt Everson	2

PISTACHIO SCALE

1.	Doc Martin	17
2.	Dave Linstrum	14
3.	Millard Wells	10
5.	Wayne Trivin	4
4.	Don Brimmer	5
6.	Ric Choate	3

EMBRYO ENDURANCE EVENT

1.	Dave Linstrum	26
2.	Wayne Trivin	20
3.	Sidney Gilbert	14
4.	Terry Patterson	13
5.	Walt Schlesinger	10
5.	Bill Criss	10
7.	Carl Hedley	3

MINI-STICK EVENT

1.	Wayne Trivin	21
2.	John Barker	19
3.	Dick Obarski	13
4.	Millard Wells	8
5.	Dick Hardcastle	5
6.	Ron Ganser	3
	Ken Johnson	2
	W. Everson	2

PEANUT SCALE EVENT

1.	Doc Martin	34
2.	Sidney Gilbert	27
3.	Millard Wells	24
4.	Walt Everson	20
5.	Wayne Trivin	15
6.	Bill Criss	14
7.	Bill Stoutenburg	8
7.	Walt Schlesinger	8
7.	George Nunez	8
10.	Don Brimmer	7
10.	Ric Choate	7
10.	Jake Larson	7
13.	J. Baker	2
14.	Wayne Cain	1

FAC SCALE EVENT

1.	Doc Martin	13
2.	Millard Wells	9
3.	George Nunez	8
4.	Walt S CHLESINGER	6
5.	Wayne Trivin	4
6.	Carl Hedley	2
6.	Jake Larson	2

NO-CAL SCALE EVENT

1.	Dick Obarski	36
2.	Dave Linstrum	22
3.	Tom McCoy	20
4.	Doc Martin	19
5.	Walt Everson	12
6.	Sidney Gilbert	10
7.	Bill Stoutenburg	9
7.	Walt Schlesinger	9
9.	Millard Wells	4
10.	Don Brimmer	4

HERE IS EVERY HARD EARNED POINT IN THE 22" INDOOR SEASON

BOSTONIAN EVENT

1.	Wayne Trivin	34
2.	Dick Obarski	25
3.	John Barker	24
4.	Sidney Gilbert	20
5.	Millard Wells	9
6.	Walt Schlesinger	8
6.	Walt Everson	8
8.	Ron Ganser	6
8.	J. Baker	6
10.	Bill Stoutenburg	5
10.	Bill Criss	5.
12.	Don Brimmer	4
13.	Carl Hedley	3
14.	Terry Patterson	2
15.	George Nunez	2

DIME SCALE EVENT

1.	Doc Martin	14
2.	Millard Wells	10
3.	Dave Linstrum	8
5.	Dick Obarski	3
4.	George Nunez	7
6.	Walt Schlesinger	2

EASY B EVENT

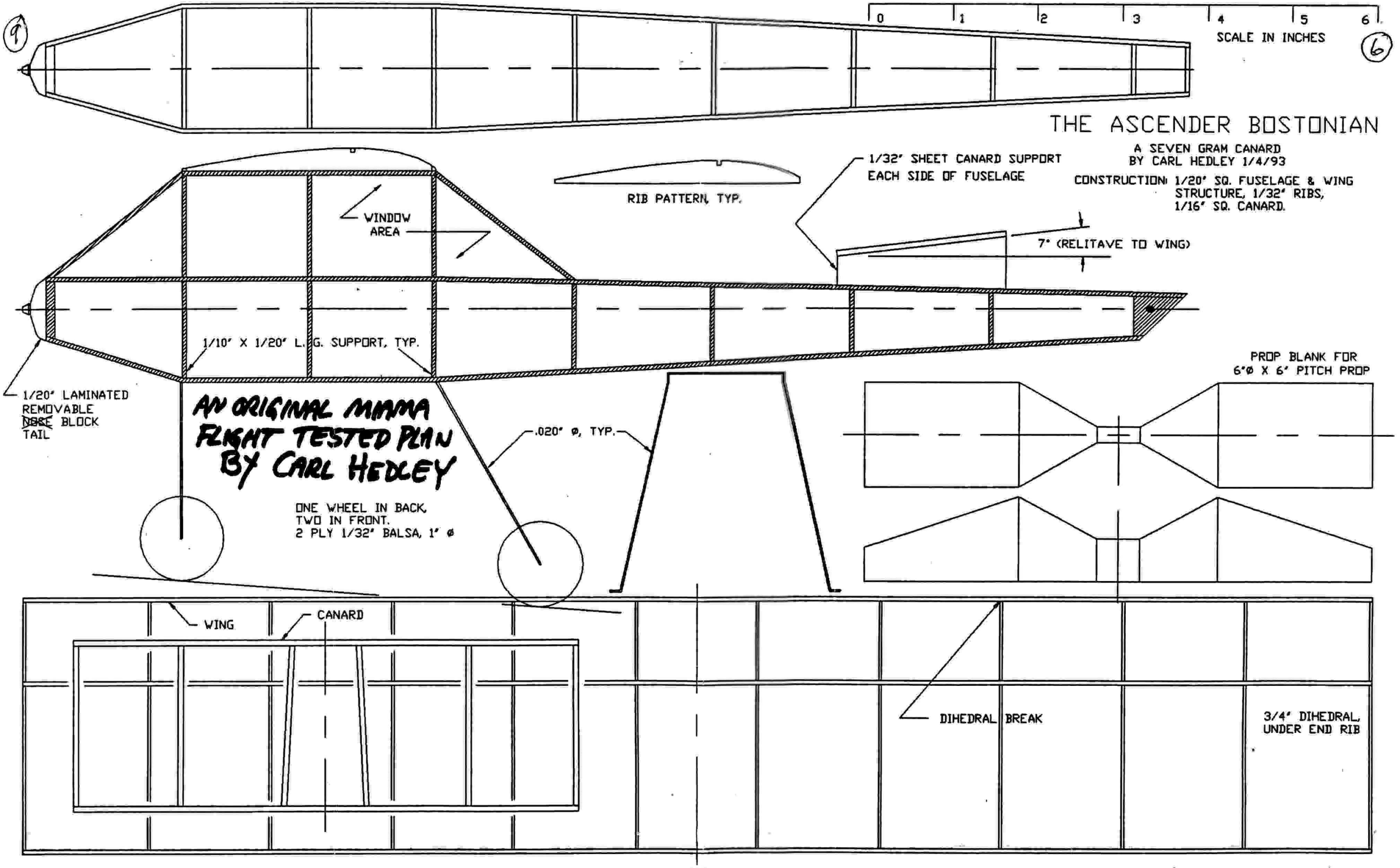
1.	Dick Obarski	22
2.	John Barker	16
3.	Wayne Trivin	15
4.	Walt VanGorder	6
5.	Millard Wells	5
6.	George Leffler	4
6.	Joe Nuszer	4
7.	Dick Hardcastle	3

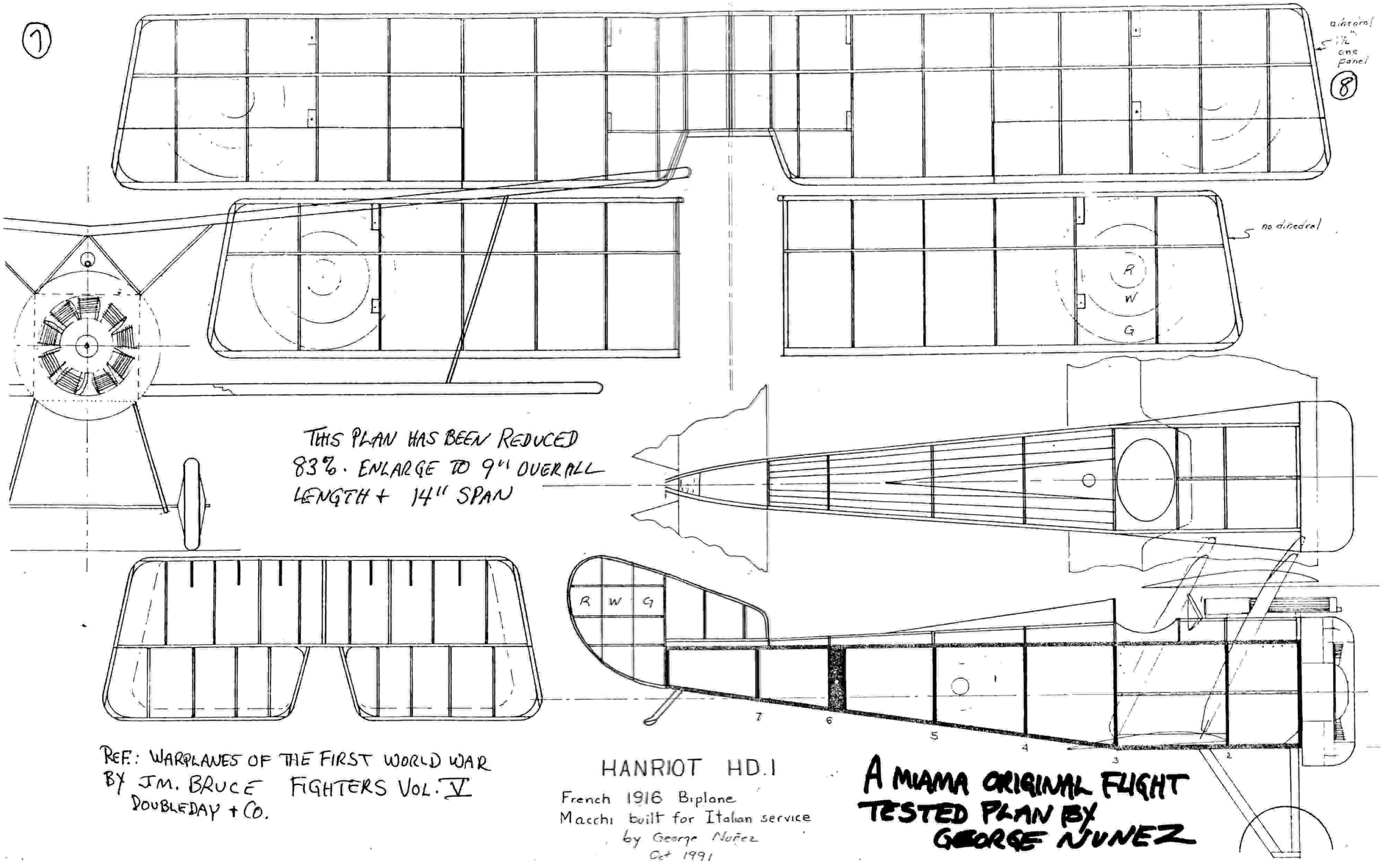
PENNY PLANE EVENT

1.	Wayne Trivin	22
2.	John Barker	15
3.	Dick Obarski	7
3.	Millard Wells	7
5.	George Leffler	6
6.	Everson & Hardcastle	3
8.	Joe Nuszer	4



WE SCORED THE BEST 5 OF THE 7 STATE MEETS


0
1
2
3
4
5
6
SCALE IN INCHES
THE ASCENDER BOSTONIAN
A SEVEN GRAM CANARD
BY CARL HEDLEY 1/4/93
CONSTRUCTION: 1/20" SQ. FUSELAGE & WING STRUCTURE, 1/32" RIBS, 1/16" SQ. CANARD.
1/32" SHEET CANARD SUPPORT EACH SIDE OF FUSELAGE
RIB PATTERN, TYP.
WINDOW AREA
7° (RELITAVE TO WING)
1/10" X 1/20" L.G. SUPPORT, TYP.
1/20" LAMINATED REMOVABLE NOSE BLOCK TAIL
AN ORIGINAL MAMA FLIGHT TESTED PLAN BY CARL HEDLEY
.020" ø, TYP.
PROP BLANK FOR 6"ø X 6" PITCH PROP
ONE WHEEL IN BACK, TWO IN FRONT. 2 PLY 1/32" BALSA, 1" ø
WING
CANARD
DIHEDRAL BREAK
3/4" DIHEDRAL, UNDER END RIB



REF: WARPLANES OF THE FIRST WORLD WAR BY J.M. BRUCE FIGHTERS VOL. V DOUBLEDAY + CO.

HANRIOT HD.1

French 1916 Biplane
Macchi built for Italian service
by George Nuñez
Oct 1991

A MIAMA ORIGINAL FLIGHT TESTED PLAN BY GEORGE NUNEZ

PLAN AHEAD - WHAT'S ON :

OCT. 2,3 Visit MIAMA booth at HOBBY SHOW Raddison Centre 777 NW 72 Av.
Swap meet,model contest,huge display of all types of models.
OCT. 23 . Miami Dade North College 9 tO ? Local fly in. Dime Scale
OCT. 24. Palm Bay, Free Flight Picnic and Fun Fly. 813-525-6667
OCT. 30/31,,MIAMA STATE INDOOR MEET 1. and awards dinner. See page 2.
NOV20/21 Don Brimmer's SAM 46 Free Flight Contest. Palm Bay,Fl.
Eight Flying Aces events amid the Old Timer events. 813-525-6667
DEC. 4/5 MIAMA STATE INDOOR MEET 2. MacDill AFB,TAMPA.C/D VTO Linstrum
FAC Mass Launch RACEPLANES.
DEC.31,Jan. 1/2..Outdoor KING ORANGE FREE FLIGHT MEET Biggest State Meet
Palm Bay,C/D Jerry Wagner, 813-474-4959. Lots of FAC EVENTS..904-788-7309

JAN.1/2. INDOOR KING ORANGE & MIAMA STATE MEET 3. CD Rich MacEntee
813-722-6373. Tampa Airport, DELTA AIRLINE MAINT. HANGAR. Cat III
Biggest Fla. indoor meet. Don't miss. FAC Mass Launch: WW I Bipe
FEB. 12,13. MACDILL AFB,Tampa. MIAMA FLA STATE MEET #4 M/L..Modern
MARCH 19,20 MACDILL AFB, Tampa MIAMA FLA.STATE MEET #5 M/L ..WW II
APRIL 16,17 MACDILL AFB,Tampa MIAMA FLA STATE MEET #6 M/L..Golden
MAY 14,15..MACDILL AFB,TAMPA... MIAMA FLA. STATE MEET #7M/L Racers

MUST I REMIND YOU?. ALL MIAMA MEETS; Call Hot Line nite before:
305-858-6363

FINAL RESULTS 1992/93 GILBERT MASS LAUNCH

COCONUT SCALE MASS LAUNCH:

1. Dave Linstrum	55
2.Walter Schlesinger	47
3.Millard Wells	46
4.Doc Martin	39
5.Rich MacEntee	9
6. Walt Everson	6

PEANUT SCALE MASS LAUNCH:

L.Sidney Gilbert	63	9.VTO Linstrum	11
2.Millard Wells	45	10.Don Brimmer	9
3.W. Schlesinger	44	10.Jim Baker	9
4.Doc Martin	33	12.Jake Larson	8
5.B. Stoutenburg	23	13.Geo. Leffler	7
6.Walt Everson	20	14. Geo. Nunez	5
7.Bill Criss	15	15.Rich MacEntee	4
8.Ric Choate	14		



(11) SUMMER DOLDRUMS CONT. ~~KEVIN SMITH'S MEET

SMITH'S RULES!

First Annual Alvaro Arenas Memorial Model Airplane Design Contest.

To honor a good friend, who was a very creative interesting guy and an avid aviation enthusiast, who's time on this earth was far too short.

Contest #1. For the Arenas Trophy and $100.00

Build a glider using only the following materials:

1) 1 sheet of standard 20 pound bond copy machine paper.

2) Any glue or adhesive.

3) 1 standard bent wire paper clip.

4) Any number of standard office staples.

Winner is longest flight by any launch method inside Kevin W. Smith's home at 570 Arvida Parkway.

Contest #2 Prize = 1.5 X (Best Flight + Second Best flight) X $100.00

1) 25 Square inches Max wing area, no limit on span or cord.

2) Max stab area half of wing area.

3) Max length is 1.5 X Wing Span.

4) All wood must start as standard hobby shop wood, 1/32, 1/16, 1/8, etc.

5) No Non-Wood bracing, Built up props (like a microfilm prop covered with paper.)

6) NO Special indoor materials, including but not limited to;

Condenser paper	Ultra film
Trick pre-made nose bearings	Boron
Carbon Fiber	Trick Micro-X wood

7) Any size music wire is OK, as is any size striped F.A.I. style rubber, Any glue or adhesive is OK.

8) Winner is the person with the best two flight times of a single model, added together hand launched from the ground floor of any room in Kevin W. Smith's house at 570 Arvida Parkway.

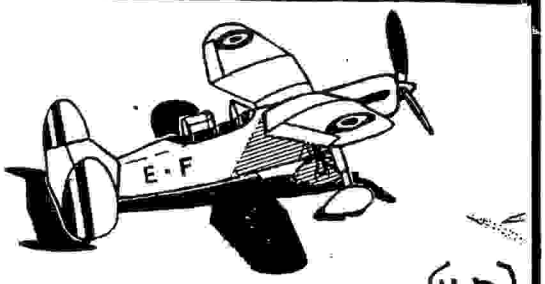
Summer.. Cont. 1ST ARENAS MODEL MEET

Kevin Smith knows how to beat the summer doldrums. He has an indoor meet in the living room of his home...or his "humble abode" as he puts it. You could do the same thing but I don't think your room measures 30 ft. X 18 ft. with a 20 ft. high flat ceiling, and a 15 ft. balcony to launch paper gliders. From noon to midnight nine friends/contestants flew rubber power, and gliders on Sat, Aug. 15,1993. His wife,Kim, and mother served a grilled luncheon and the home stayed cool even though the A/C was turned off for the occasion. Kevin formulated the rules which lead to new and innovative designs and heated competition for CASH prizes! Flights of four minutes plus were considered remarkable until George Nunez came up with a flight of 5:17 that tapped the ceiling 40 to 50 times. If Kevin's pla was to generate new interest and beat the doldrums he surely succeeded. Contest results, and a reproduction of the contest announcement below, and a hearty THANK YOU TO KEVIN & MRS. SMITH for their hospitality.

PAPER GLIDER EVENT:
1. Kevin Smith 16 Sec.
2. Juergen Kortenbach 13.4
3. Mike Bacon 12 Sec.
4. George Nunez 11 Sec.
5. Doc Martin 8.8

RUBBER ENDURANCE :
1. George Nunez 4:15,5:17
2. Kevin Smith 4:10, 4:48
3. Juergen Kortenbach 2:43
4. Carl Hedley 1:51
5. Mike Bacon 1:30
6. Doc Martin 1:03,1:05 (Pistachio Goldwing)
7. Saul Gottlieb 1:05,:50

MIAMA SITE FINDERS:
JERRY BOKIUS, FAC PRANGMORE
KEVIN SMITH, HIS HOME
GEORGE NUNEZ - TILE WAREHOUSE



P. McILRATH'S MUREAUX 180 C-2 (H.P. 157)



©1993 The New Yorker Magazine, Inc.

"This one is for converting a military base into a crafts center.

PLANES WORTH MODELING (12)



L'avion de transport Farman 250 (France)

Le Farman 250 à ailes surbaissées a été construit pour le transport des voyageurs sur les lignes à grand trafic.

C'est le confort des passagers et la commodité d'emploi qui ont été recherchés et non pas spécialement le maximum de vitesse. Ainsi les roues et le moteur ne sont pas carénés pour faciliter l'accès aux organes à entretenir. Le poste de pilotage placé très haut permet une visibilité parfaite et la surveillance constante de toutes les parties de l'appareil.

Le moteur est un Jupiter 380 CV.

La construction analogue à celle des autres appareils Farman est en bois avec revêtement en contreplaqué.

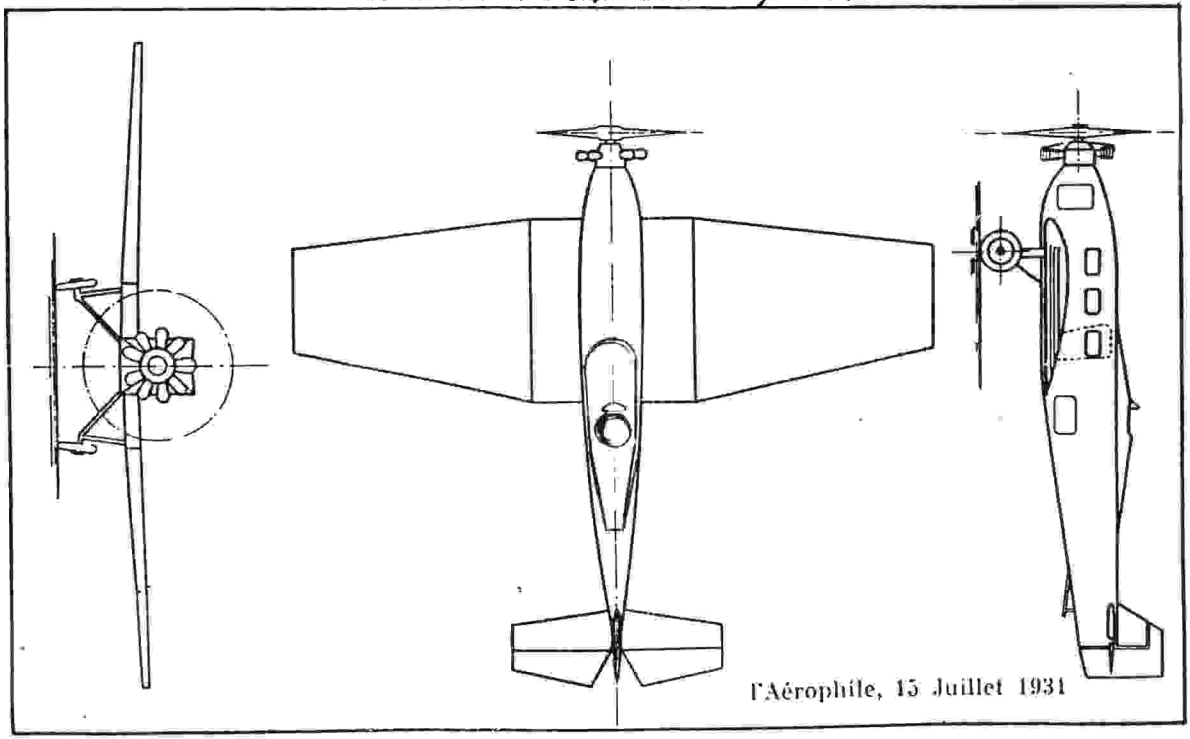
La cabine a été réalisée de manière à recevoir une circulation d'air froid ou d'air chaud suivant la saison.

Caractéristiques :

Puissance.	380 CV.
Envergure.	12 m. 110
Longueur.	10 m. 500
Surface	31 m² 74
Poids total	2.335 kgs.

Performances prévues : Vitesse maximum 240 à 250 km/h; Vitesse de croisière 200 à 220 km/h.

Henri Farman MUST have had modelers in mind. Thanks Alain Parmentier, MIAMA'S man in FRANCE!



l'Aérophile, 15 Juillet 1931

A SUMMARY OF AMA RULE CHANGES FOR INDOOR. THESE WILL BE IN EFFECT FOR KING ORANGE JAN 1 & 2. FROM TOPMAC

(13) 1994 - 1996 INDOOR RULE CHANGES ((((

The indoor season is fini; time to plan for next one. Be aware! Some indoor rules will change January 1, '94. What you flew this past season may not be legal for the last-half of the next indoor season.

(Of course there will be changes for other events for the 1994-1996 period - but the changes don't take place mid-season, so to speak, as they do for Indoor events.)

I suggest our readers re-read Model Aviation, January '93 & April '93 "Focus on Competition" sections. These cover rules changes for 1994 - 1996. January issue had synopsis of rule proposals, & April issue announced the proposals passed by the various Contest Boards.

One would be wise to look at the changes for indoor & outdoor events previewed in these MA issues, **or to wait til the "Competition Regulations" issue of MA comes out later this year, before building next year's models.**

In case you don't have the MA issues mentioned above, here what I **think** I read. (Better read them yourself.)

IND 94-1: Adds a Kit/Plan "Scale" event. This isn't a true scale event.. call it "near-scale". The model will not be judged for scale points, but fidelity to plans & workmanship. Proposal didn't state or limit model size. Must be double-covered. ROG for 5 official, ten second) flights; 2 attempts each. (Similar to TOPMAC's Kit/Plan Scale event. We'll replace our event with AMA's event.)

IND 94-2, 215 Bostonian: Fuselage will be limited to 3" max. width. (Limits width of "lifting- body" abberations.) "Box" will still be 1.5 x 2.5 x 3.0. inches.

IND 94-3, 215 Bostonian: Just clarifies wording about 2 attempts to fly 5 official (20 sec. or more) flights.

IND 94-4, 215 Bostonian: Clarifies rule limiting lenght to 14" **overall. No swept forward canards/swept-back wings allowed to circumvent old 14" length rule.** (Seems some CDs allowed old length rule only applied to fuselage, front of nose bearing to rear of fuse. Tch! Tch!)

IND 94-5, 215 Bostonian: Doesn't allow wing trim tabs to extend back of 3" max. wing chord, or empennage tabs to extend overall length beyond 14". (Some flyers used huge trim tabs" to circumvent lifting areas rules.)

IND 94-6, 215 Bostonian: Fuselage box must be covered so to restrict free air movement through the box. Makes additions & corrections to inch/centimeter conversions. (Some parasol wing flyers claimed the uncovered section between cabane struts fulfilled the "box" requirement.)

IND 94-7, 204, Cabin Model: Clarifies term "cabin".

IND 94-8, 212, Indoor Gliders: Renames event, and provides seperate glider classes for Hand Launched Glider, Standard Catapult and Unlimited Catapult.

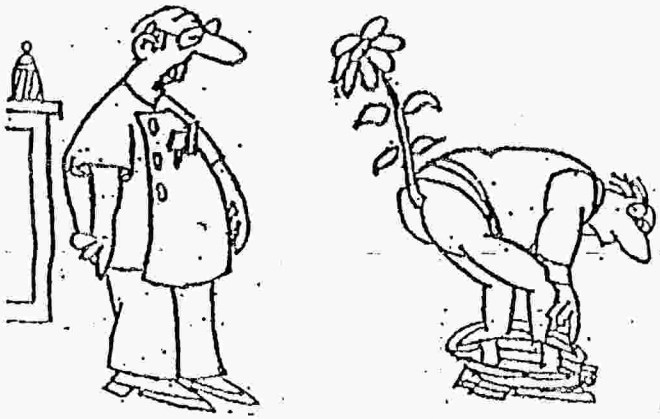
IND 94-9, General, timing: Resolves several questions of the past on timing. Bounces on ROG will be accepted, if model attains flight. ROG time stops when wheels 1st touch the floor after "take-off"; hand launched flights (except FAI Indoor & FAI EZB) end when it comes to rest "belly down"; or model hangs up. No timing continues if parts are jettisoned.

LAYMAN'S MEDICAL TERMINOLOGY

ARTERY	The study of painting
BACTERIA	Back door to a cafeteria
BARIUM	What doctors do when treatment fails
CAESARIAN SECTION	A district in Rome
CAUTERIZE	Made eye contact with her
COLIC	A sheep dog
CONGENITAL	Friendly
D & C	Where the White House is.
DILATE	To live long
FESTER	Quicker
GENITAL	Non-Jewish
GI SERIES	Soldier Baseball
IMPOTENT	Distinguished, well-known
MORBID	Higher offer
NITRATE	Cheaper than the day rate
RECTUM	Dang near killed him!
SEIZURE	Roman Emperor
TERMINAL ILLNESS	....Getting sick at the airport
TUMOR	More than one
URINE	Opposite of "you're out"
VARICOSE	Nearby
VEIN	Conceited.

(Above taken from Marco (Ham Doctors) Newsletter, donated by Dr. Ed Ludin.)





"You're eating too much fiber"

Stick & Tissue International III

COMPILED BY BILL HANNAN

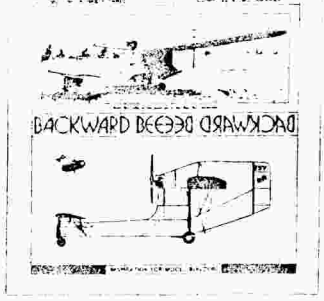
NEW! (14)

New from Runway!

MORE MAGNIFICENT MODELS

Third in the Stick & Tissue International series, this volume includes a splendid selection of modelers and their models photographs, Peanut and Pistachio construction plans, 3-view drawings to inspire new models, and our whimsical seasoning... Why not share in this fascinating flying fun?





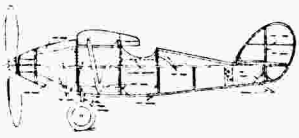
HIGHLIGHTS OF VOLUME 3:

- Models & Modelers
- Backward Bee Canard
- The Pistachio Presentation
- Warner's Words of Wisdom, by Bill Warner
- Fool the Eye, By Bill Noonan
- The Peanut Gallery (photos from far and wide)
- Trimming a Peanut (or Pistachio) for Circular Flight, by Ulises Alvarez
- The Reel Thing (fake film flyers)



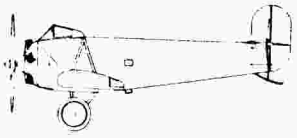
MODEL CONSTRUCTION PLANS:

- 1890 Ader Eole, by Emmanuel Fillon (France)
- 1930 Comper Swift, by Ken McDonough (England)
- 1933-34 Lippisch Storch, by Siegfried Glöckner (Germany)
- Contemporary Motte Ultralight, by Heinz Neumann (Germany)



THREE-VIEW DRAWINGS:

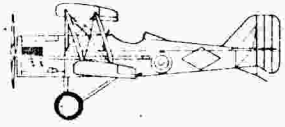
- 1924 Dietrich-Gobiet DP VI and DP VII "Flivvers"
- 1969 "Darling Lili" movie pseudo S.E.5a (England)
- 1931 Gee Bee "Ascender" canard (U.S.A.)
- 1935 Gee Bee autogyro project (U.S.A.)



Bonus features include extracts from readers' letters, cartoons and philosophical gems to amuse and inspire.

FORMAT: 8 1/2" x 11", 3-color cover, 26 pages, 57 photos, 4 model plans, 6 three view drawings, plus sketches and cartoons.





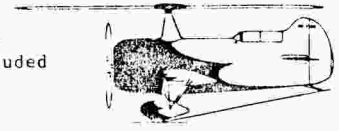
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Summer 1993

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