FAC SQDN. # 11

THE HANGAR PILOT

MIAMI INDOOR AIRCRAFT MODEL ASSOCIATION — MIAMA

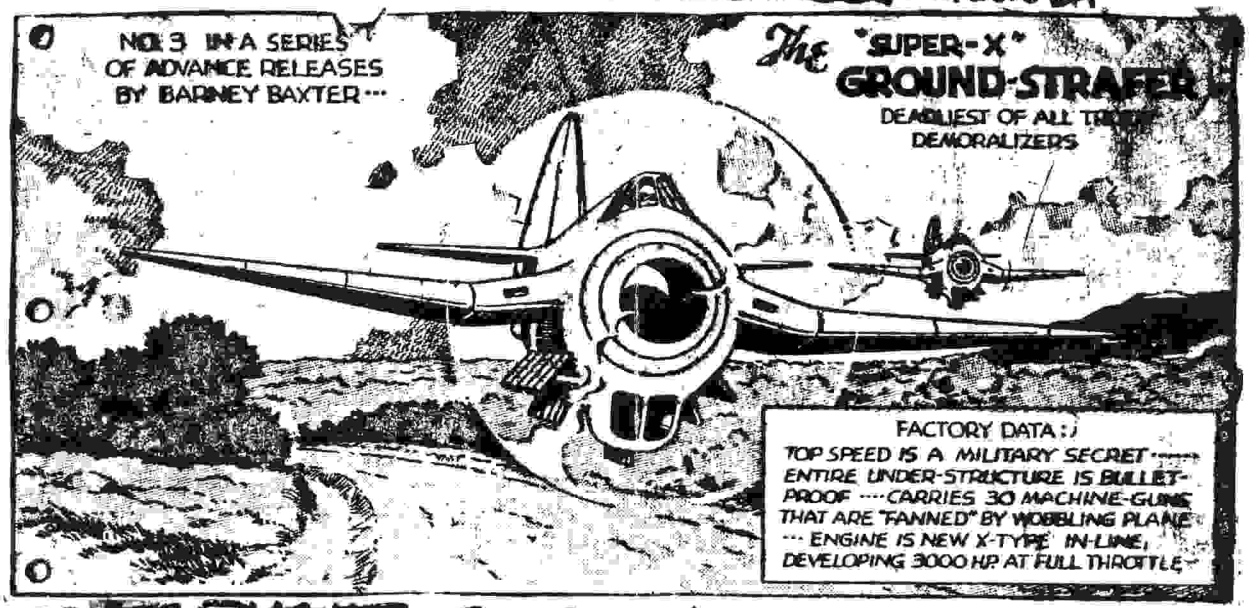
ISSUE 143

20TH YEAR OF PUBLICATION - INDOOR ISN'T FOR EVERYONE

ENTERIAS NON ES OMNIBUS

- MIAMA MEET 2 RESULTS
- ANOTHER MINI STIK
- NUNEZ' BLACKBURN BLUEBIRD
- FAC SQUADRONS
- OBARSKI'S AIRFOILS
- STATE RECORDS - FLORIDA





NEXT EVENT: FLA. ANNUAL RECORD TRIALS V + 2 DAY FLY-IN NOV 30. DEC 1 9 TO 5 CAT. I

DADE COUNTY YOUTH FAIR



"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, 3-views, complaints, gripes and compliments to: Dr.John Martin Jr., President / Editor, 2180 Tigertail Ave., Miami, FL 33133 USA. phone: 305-858-6363.

COCONUT GROVE, NOV. 1991

Dear Hangar Pilot:

On behalf of MIAMA may I express my sure and sincere appreciation for your continuing support, and I am very pleased to have you renew your membership. (See that red X ?) —(YOU WON'T UNTIL ISSUE 144)

As we progress through our twentyfirst year this regular newsletter will keep you informed of indoor technology, contest dates and results, anecdotes, 3-views, plans, tips,nostalgia, humor,satire....topics we think will be of your interest. We continue to solicit YOUR input in the above.

With an encouraging membership of about 300 pilots, and the renewed interest in FLYING ACES, both indoors and outdoors, we are enthusiastic as to our future growth and accomplishments.

Through continued membership in MIAMA, AMA. NFFS, FAC, we hope you will meet new friends who share your interests, keep the flame alive, and have many rewarding experiences,contests, and lasting memories.

Thank you,hangar pilots, for recognising that INDOOR ISN'T FOR EVERYONE.

Yours inside, Doc John Martin

MEET #2 NOTES:

Pilots,as Ron Ganser once said,"You guys don't know what you've got here." I think he was right. I really feel that we don't appreciate the sheer fun we have flying unlimited indoor events for two days at a great flying site. I had a lot of fun. Trivin entered 11 events (We fly 12). How about this for improvement...Tom McCoy's Lacey did 3:40-about a minute better than his previous best,and Sid Gilbert coaxed a2:22 flight out of his Bostonian..also about a minute over his best. Walt Schlesinger did :38 with his Porter, and Steve Borona got some nice flights with his Mooney Demoselle.

Eight WW I biplanes showed for the mass launch. Doc broke his motor winding for round 1..for the second consecutive meet.Schlesinger and Gilbert down in round 2. Linstrum's Bristol, and Laudati's Nieuport out in round 3 Well's SE-5 set the the stage for the final. Jorgen Kortenbach's DH-6 did a snappy 1:26 to beat out George Nunez' Hanroit. These events are great theatre and great crowd pleasers. Let's see YOU at the KING ORANGE.

(2)

RESULTS - MIAMA MEET 2 MAC DILL, OCT 26,27 1991

C.D. DOC MARTIN

PEANUT SCALE

		STATIC	BEST 2 FLIGHTS		TOTAL
1. John Martin	Waco seaplane	103.5	1:02	:59.8	164.4
2.Wayne Trivin	14-Bis	111.0	:57.3	:48.5	163.9
3.George Nunez	Turbo Beaver	86.8	1:16.7	1:17.3	163.8
4.Millard Wells	Rose Parakeet	87.6	1:02	1:17.8	156.5
X. " " "	Curtiss P-40	93.0	142.1	:48.2	142.1
X. " " "	Douglas Observation 76		1:02	1:02	138.0
5.Steve Borona	Demoselle	65.2	:15	:14	79.7

FAC SCALE

1. Wayne Trivin	14 Bis	82	1:36.3 (76.6)	158.6
2. John Martin	Beardmore Inflex.	83	:58.0	141
3.Millard Wells	Waco E	69	1:18(69)	138
4.George Nunez	Rumpler 6	77	:56	133
5.Bill CrissPilatus	Porter	45	:51	96
6.Walt Sclesinger	P. Porter	42	:38	80

MINI-STICK

1.John Barker	6:01
2.John Martin	5:38.5
3.Wayne Trivin	5:22.2
4.Joe Nuszer	5:15
5.Millard Wells	4:26
6.Frank Kieser	3:18

EMBRYO ENDURANCE

	Bonus+	Total of three Fly
1.Wayne Trivin	9	469.6
2.John Martin	6	319.3
3.Sidney Gilbert	9	166.6
4.Bill Criss	9	102
5.Walt Schlesinger	9	21

Easy B

1.John Barker	11:52
2.Wayne Trivin	8:03
3.Millard Wells	8:01

Penny Plane

1.Wayne Trivin	11:20
2.John Barker	6:47

BOSTONIAN:

		Charisma	
1.Wayne Trivin	No Colors II	1.11	396.2
2.John Barker	Scimitar	1.11	395.1
3.Sidney Gilbert	7-Up	1.10	297.4
4.John Martin	Dr. Pepper	1.15	292.1
5.George Nunez	Lorax	1.12	282.3
6.Millard Wells	Wee Bost.	1.12	262
7.Roger Laudati	Pup	1.10	146.8
8.Bill Criss	Prarie Dog	1.11	130.2
9.Walt Schlesinger	Pup	1.10	40

PISTACHIO:

		Stat	Fly	
1.Geo Nunez	Ni-D 42	:55.2 1	1	2
2.Wayne Trivin	Demoselle 41.5	2	3	5
3.J. Martin	Windham	:52.2 4	2	6
4.D.Linstrum	Armadillo	:12 3	5	8
X D.Linstrum	Kalinin	:39.2 4	4	8

CATAPULT GLIDER

1.Wayne Trivin	104.7

FROG

1.Wayne Trivin	5:13

NO-CAL Scale:

1.Tom McCoy	Lacey M-10	3:40
2.Dave Linstrum	Cassutt	2:31
3.Wayne Trivin	14-Bis	2:15
4.Walt Schlesinger		13.3

COCONUT SCALE:

		Stat.	Fly		Total
1.Dave Linstrum	Martin MO-1	1	1	1:11.4	2
2.John Martin	Beardmore Inflex.	2	2	:55.5	4
3.Walt Schlesinger	Porter	3	3	:29.0	6

ANNUAL AWARD DINNER - GUAVAWEEN

Our annual Banquet at the Colombia Restaurant in Ybor City,Tampa corresponded with GUAVAWEEN. We didn't know what we were getting into but we do now. A milling of costumed revelers ..traffic difficult, and parking difficult,but a real treat for people watchers. Our speaker cancelled, but Linstrum came through with a Video from the Nagoya P-NUT POWER meet that ran about 2 hours, and was set up so all diners could see it. So Suichi Uchida turned out to be our entertainment because he sent the video tape to us.

All of the Hangar Pilots that were listed in the Miama Hall of Fame in last issue were awarded their plaques with a listing of their mighty deeds inscribed thereon. And so the quest for the Holy Indoor Model goes on, and we are well into the 1991/1992 season. I vote to hold the NEXT awards banquet on GUAVAWEE too!

STANDARDS TESTING LABORATORIES INC.

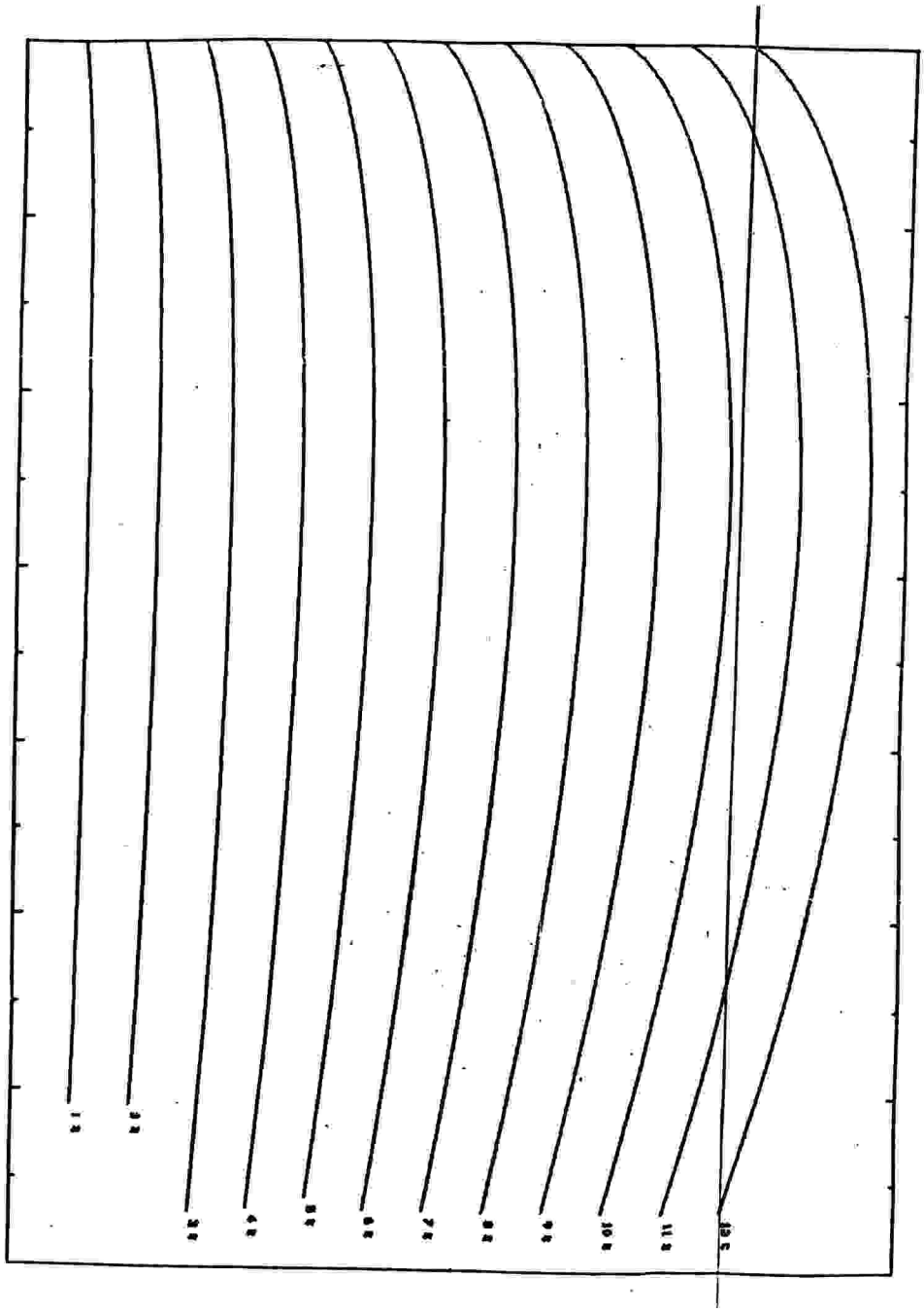
BY DWO DATE 5/10/91 SUBJECT SIMPLEX AIRFOILS SHEET NO. 1 OF 1

CHKD. BY DATE JOB NO.

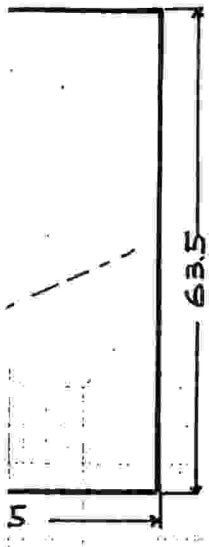
SIMPLEX AIRFOILS

The following info is "borrowed" from the Central Indiana Aeromodellers INFORMER. From the pen of Gil Morris comes these Simplex airfoils. For a given "rib" of this log spiral curve, you simply pivot on the leading edge while chopping off the trailing edge to get a family of perfectly matched, but varying length ribs.

SUBMITTED BY OLD PRO DICK OBARSKI, THESE INDOOR AIRFOILS ARE OF INTEREST TO ANYONE WHO BUILDS INDOOR ENDURANCE MODELS. MAY 1991



A FAMILY OF SIMPLEX AIRFOILS



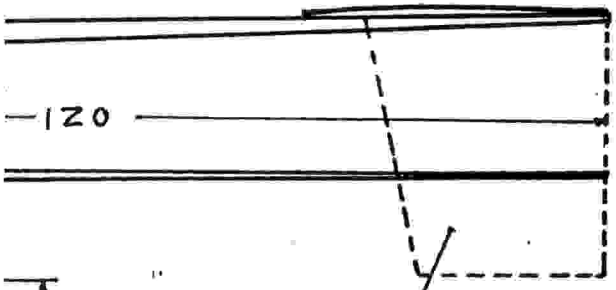
TOTAL WEIGHTS

PLANE 0.41 g
BALLAST 0.024 g
0.434 g

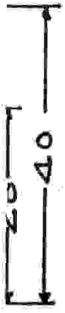
MOTOR
0.5×1.04×200 LOOP
WEIGHT 0.17 g
TURN 1600
BUCK 400~440

PLOP : DIA 156 %m
PITCH 340 %m

TICK
JAPAN

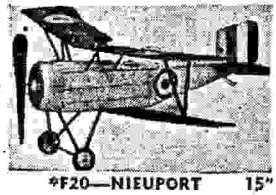


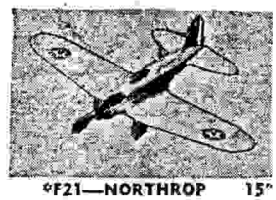
FIN 03 BALSA
4LB



9/-3
BY SHIGEYOSHI NONAKA

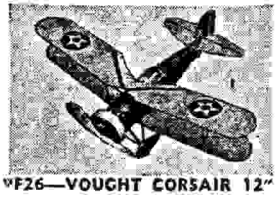
MEGOW'S 10¢ TURNED BALSA COWLS! (6)


*F20—NIEUPORT 15"


*F21—NORTHROP 15"

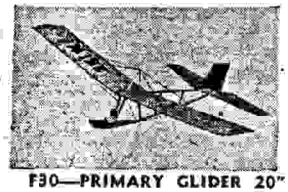

*F23—STINSON RELIANT 15"


F24—TAYLOR CUB 15"


*F26—VOUGHT CORSAIR 12"


F27—WACO BIPLANE 12"


F29 REARWIN SPEEDSTER 15"


F30—PRIMARY GLIDER 20"


F32—DeH. HORNET MOTH 12"


F33—MILES MAGISTER 15"


*F3[illegible]—FLEET TRAINER 12"


*F36—FAIRCHILD "45" 15"

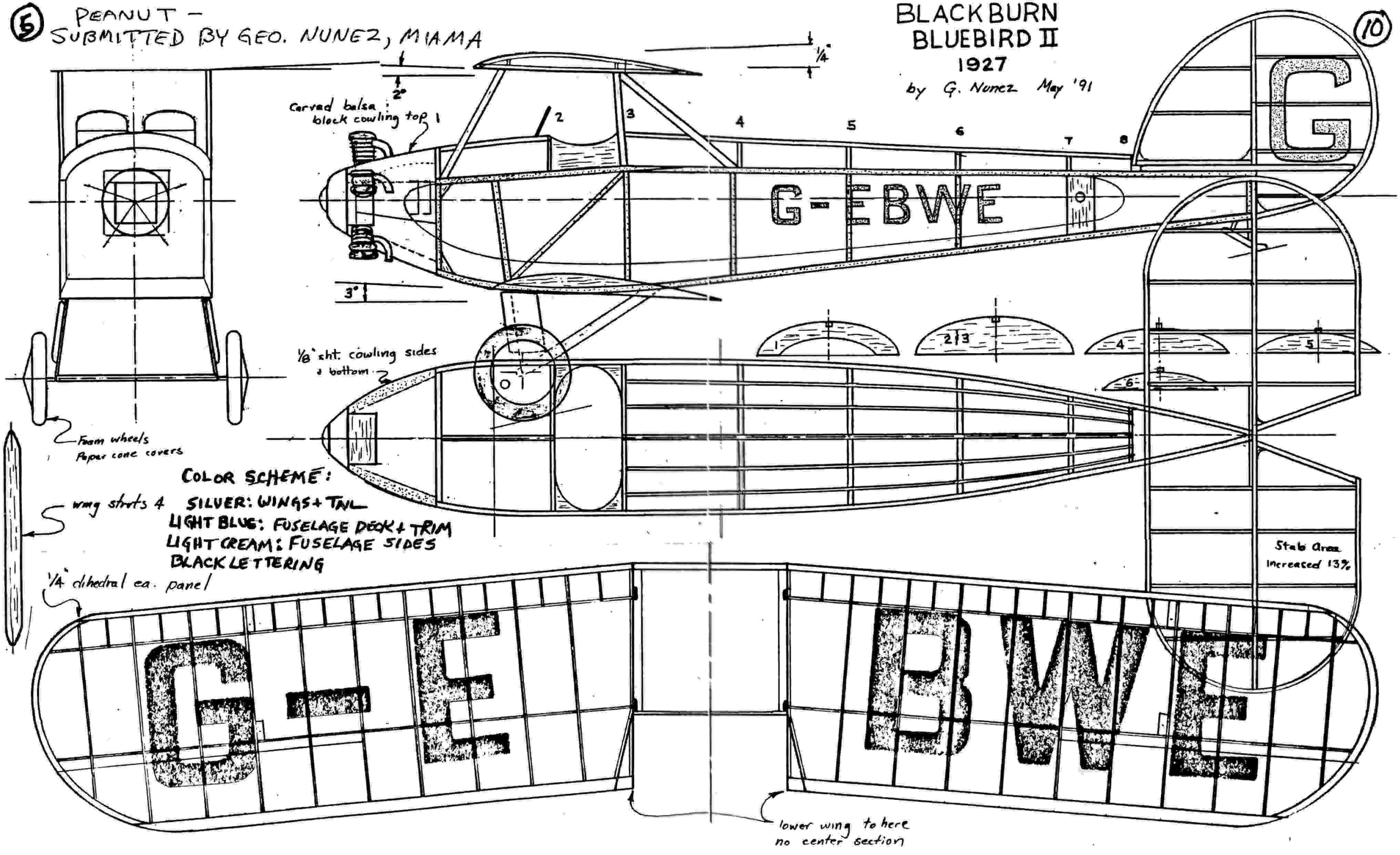

*F38—GULFHAWK 12"


F39—MESSERSCHMITT 15"

(5) PEANUT –
SUBMITTED BY GEO. NUNEZ, MIAMA

BLACKBURN BLUEBIRD II
1927
by G. Nunez May '91

(10)



FLYING ACES CLUBS - Your Kind of Folks

Keep the Flame Alive! - Write to your local club or start your own!

In this issue we have listed all of the Flying Aces Squadrons for you to gaze over and if you are not already a member of one of them you may find one near enough to you to join. If there isn't one near you then maybe you can form one of your own! We'll be glad to have you. If you don't know how to get one started just drop us a line here at GHQ and we'll be glad to help you get one started. We have tried to list them in chronological order but I am not going to bet on it, but it will be close. The one exception is that we have switched Squadrons one and two because what was formerly Squadron One and Squadron Two are now reversed.

GHQ now has official FAC T-Shirts for sale. You may have your choice of a design with a Waco "D" on it or you may have the one with a Curtiss P-6E on it, or maybe one of each. They come in your choice of gray or yellow with black lettering. Sizes are, small, medium large, extra lge. and extra extra lge. Price is just $10.00 each plus $2.00 for postage. Proceeds from these t-shirts will go towards fending off the recent postal hike and will keep us from raising the FAC dues. Which by the way, hasn't increased since we started putting out this rag eleven years ago. Just send your order to FAC-GHQ, 3301 Cindy Lane, Erie, Pa. 16506.

Subscribe to FAC

BUILD....FLY WIN....EFF--AAA--CEEE!!!
Lt. Col. Lin Reichel, CinC-FAC

Squadron #1
FAC-GHQ
Erie Model Aircraft Assn.
3301 Cindy Lane
Erie, Pa. 16506

Squadron #2
Ye Olde Hanger #1
Glastobury Modelers
Ed Novak
106 Cutlery Ave.
So. Meriden, Ct. 06450

Squadron #3
Stork Squadron
Cleveland Free Flight Soc.
Gordon Roberts
5539 Hilltop Oval
Parma, Ohio 44134

Squadron #4
Detroit Cloudbusters
Curt Haskell
8035 McDermitt #88
Davison, Mi. 48423

Squadron #5
McCook Field Squadron
Frank Scott
4283 Honeybrook Ave.
Dayton, Ohio 45415

Squadron #6
D.C. Maxecuters
Jerry Paisley
20 Clearwater Court
Damascus, Md. 20872

Squadron #7
Cactus Squadron
Dave Smith
1041 E. Rawhide
Gilbert, Az. 85234

Squadron #8
Scale Old Timers Soc.
Walt Eggert
26 Moredon Rd,
Huntingdon Vly, Pa. 19006

Squadron #9
Calumet Escadrille
Phil Cox
3351 Highway Ave.
Highland, Ind. 46322

Squadron #10
Swamp Squadron
Dean McGinnes
1503 Clairdale Lane
Lakeland, Fla. 33801

Squadron #11
Miami Hangar PILOTS
"Doc" Martin
2180 Tigertail Ave.
Miami, Fla. 33133

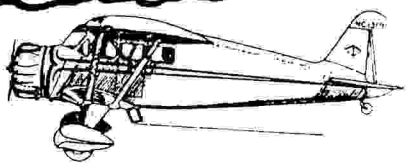
Squadron #12
Palmetto Squadron
David Smith
3013 Sigmund Circle
Columbia, SC 29204

Squadron #13
KUDZU Flying Corps
Dave Rees
606 Walnut Creek Dr.
Goldsboro, NC 27534

Squadron #14
Moskitoe Squadron
Steve Bacom
836 Banbury Dr.
Port Orange, Fla. 32119

Squadron #15
Mid-South FAC Squadron
Oliver Benton
409 Brady Point Rd.
Signal Mountain, Tn. 37377

Squadron #16
Diablo Squadron
Harvey Lance
1206 Hale Dr.
Concord, Ca. 94518



Squadron #17
FAC Lone Star Sector
Ed & Don DeLoach
3428 Bryn Mawr
Dallas, Tex. 75225

Squadron #18
Canada Goose Squadron
Jack McGillivray
621 Cosburn Ave.
East York, Toronto
Ont. Canada M4C2V1

Squadron #19
Western Pa. Tailspin Sq
Jim Buxton
550 McMurray Rd.
Bethel Park, Pa. 15102

Squadron #20
Norwich FAC
Jerry Bockius
Mann Egerton
48 Division St.
Norwich, Ct. 06360

Squadron #21
Rio Grande Squadron, FAC
Nick Ropar
7708 Hermanson Place
Albuquerque, N.M. ?????

Squadron #22
The Pinkham Field Irregulars
Dave Stott
4304 Madison Ave.
Trumbull, Ct. 06611

Squadron #23
Sunflower Squadron
Jim Kutkuhn
RR 5 Box 430
Augusta, Ks. 67010

Squadron #24
Bay State Squadron
Mike Nassise
22 Greenfield St.
South Easton, Ma. 02375



SF BAY AREA
DIABLO SQDN.
WARREN DELANE
2235 REDWOOD RD
HERCULES, CA 94547

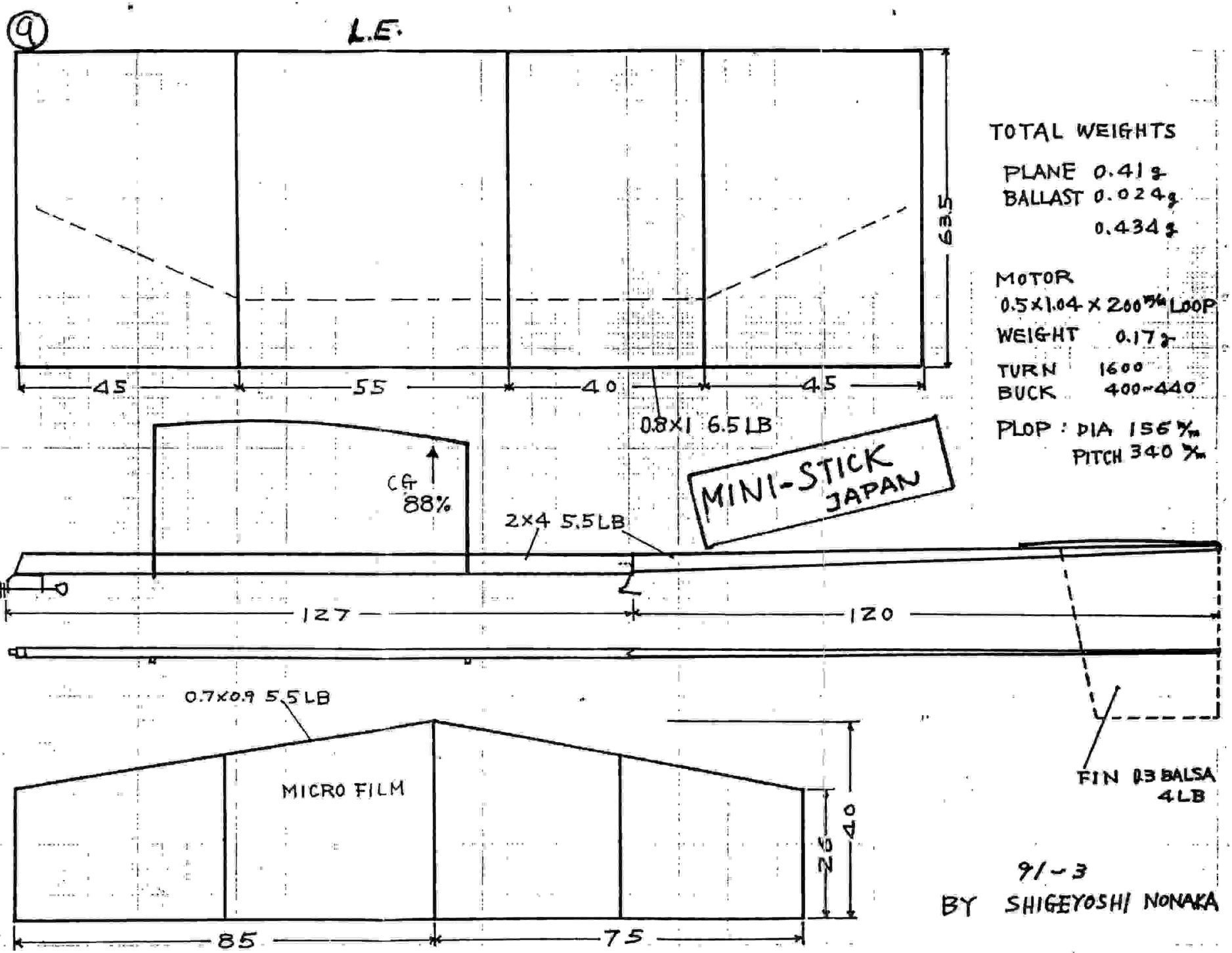
Squadron #26
Alamo Escadrille
Joe Joseph
8311 Babe Ruth
San Antonio, Tex. 78240

Squadron # 27
Marin Aero Club
Tom Brennan
21326 Via Colombard
Sonoma, Ca. 95476

FLYING ACES clubs and events have been growing across the country. The combination of low pressure, and long flights with models that aren't agonizing or time consuming to build is a very popular concept. Retirees can return to the¢10 and ¢25 flyers of their youth and, THIS TIME,get them to fly well, both indoors and out. Almost all FF and SAM meets now have FAC events, and the FAC flyers are raising eyebrows of the "regulars". "The great workmanship isn't a surprise anymore, but how well the models fly is a surprise every time" iswhat Terry Rimert comments.

Here in Florida,MIAMA (Sqdn. 11) has indoor (10 gm.) Embryo, FAC Scale, NO-CAL, and mass launch events, and Steve Bacom (Sqdn. 14) adds FAC events to the outdoor FF meets to everyone's delight. We hope you Hangar Pilots use the above list of FAC Squadrons to start a movement in YOUR state both indoors and out. Let us know your progress and we'll pass it on in Hangar Pilot. It's up to YOU to keep the flame alive!

NEXT EVENT - DADE YOUTH FAIR
F.A.R.T. II - NOV. 30, DEC. 1
NEXT MEET - KING ORANGE, TAMPA.
LOCAL MEETS - YOUTH FAIR + MIAMI/DADE COLLEGE - CALL INDOOR HOT LINE 305-858-6363



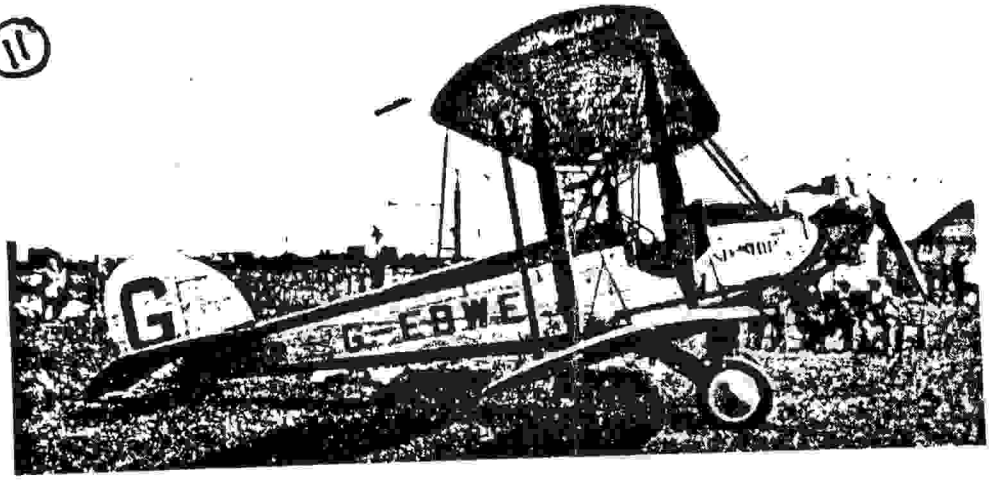
TOTAL WEIGHTS

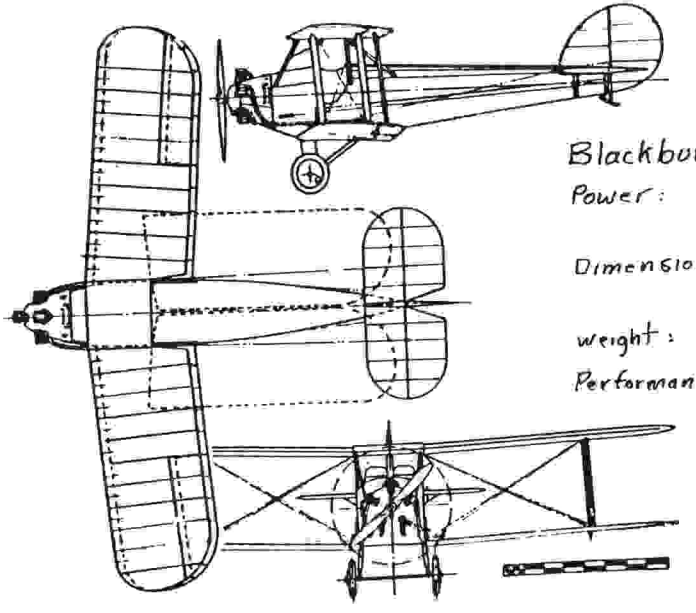
PLANE 0.41 g
BALLAST 0.024 g
0.434 g

MOTOR
0.5×1.04×200 mm LOOP
WEIGHT 0.17 g
TURN 1600
BUCK 400~440

PLOP : DIA 156 %
PITCH 340 %

91-3
BY SHIGEYOSHI NONAKA





Blackburn Bluebird II

Power: 80 hp A.S. Genet
5 cyl. radial

Dimensions: span 28 ft.
Length 22 ½ ft.

weight: 915lb empty

Performance: 88 mph max
75 mph cruise
11,000 ft. ceiling
300 mi range

Ref: Blackburn Aircraft



CONVERSION TABLE

INCHES	DECIMAL	MM
1/64	0.015625	0.396875
1/32	0.031250	0.79375
3/64	0.046875	1.190625
1/16	0.062500	1.5875
5/64	0.078125	1.984375
3/32	0.093750	2.38125
7/64	0.109375	2.778125
1/8	0.125000	3.175
9/64	0.140625	3.571875
5/32	0.156250	3.96875
11/64	0.171875	4.365625
3/16	0.187500	4.7625
13/64	0.203125	5.159375
7/32	0.218750	5.55625
15/64	0.234375	5.953125
1/4	0.250000	6.35
17/64	0.265625	6.746875
9/32	0.281250	7.14375
19/64	0.296875	7.540625
5/16	0.312500	7.9375
21/64	0.328125	8.334375
11/32	0.343750	8.73125
23/64	0.359375	9.128125
3/8	0.375000	9.525
25/64	0.390625	9.921875
13/32	0.406250	10.31875
27/64	0.421875	10.715625
7/16	0.437500	11.1125
29/64	0.453125	11.509375
15/32	0.468750	11.90625
31/64	0.484375	12.303125
1/2	0.500000	12.7

.0500

INCHES	DECIMAL	MM
33/64	0.515625	13.096875
17/32	0.531250	13.49375
35/64	0.546875	13.890625
9/16	0.562500	14.2875
37/64	0.578125	14.684375
19/32	0.593750	15.08125
39/64	0.609375	15.478125
5/8	0.625000	15.875
41/64	0.640625	16.271875
21/32	0.656250	16.66875
43/64	0.671875	17.065625
11/16	0.687500	17.4625
45/64	0.703125	17.859375
23/32	0.718750	18.25625
47/64	0.734375	18.653125
3/4	0.750000	19.05
49/64	0.765625	19.446875
25/32	0.781250	19.84375
51/64	0.796875	20.240625
13/16	0.812500	20.6375
53/64	0.828125	21.034375
27/32	0.843750	21.43125
55/64	0.859375	21.828125
7/8	0.875000	22.225
57/64	0.890625	22.621875
29/32	0.906250	23.01875
59/64	0.921875	23.415625
15/16	0.937500	23.8125
61/64	0.953125	24.209375
31/32	0.968750	24.60625
63/64	0.984375	25.003125
1.000000	1.000000	25.4

KING ORANGE

THE BIG INDOOR ANNUAL

SUN 29 DEC & MON. 30

(TENTATIVE) MAY BE 28, 29

)ELTA AIRLINE HANGAR

AMPA INT. AIRPORT

SS LAUNCH — PLANES IN

VICE IN PACIFIC DEC. 7

/- PEARL HARBOR

PROOF UP TO YOU

SUPPLIERS LIST
for
RUBBER POWERED MODELERS

This is a 'MUST HAVE' current (10/91) LIST for Indoor, Outdoor, Ind.Scale, and Out.Scale with a few OT/FF/FAI/RC. Name, Address, Phone (where avail.), and descriptions of items supplied for:

83 Individual Suppliers
39 Hobby and Model Companies
18 Equipment and Tool Suppliers
9 Rubber Powered Newsletters
3 Research Libraries
2 Modeling Associations.

Send SASE and $3.00 to: E.L. 'Red' Boyles, 1552 West Nopal Street, Mesa, AZ 85204 USA

13

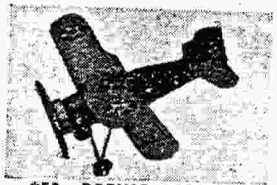
15" FLYING MODELS 10¢

*Kits contain turned balsa cowls

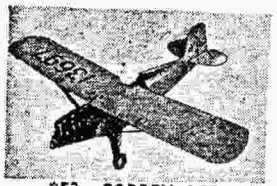
There Are Fifteen Models Having a 15" Wing Spread. The Remaining Models Have a 12" Wing Span. See Lower Right Hand Corner of Photo for Correct Size.



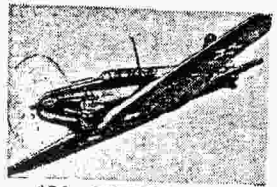
F1—AERONCA 12"



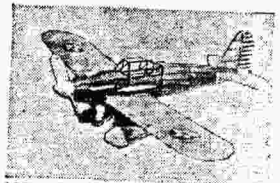
*F2—BOEING P12E 12"



*F3—CORBEN ACE 12"



*F4—CONSOLIDATED 12"



*F5—CURTISS PURSUIT 12"



*F6—DOUGLAS OBSERV. 12"



*F7—EXPORT FALCON 12"



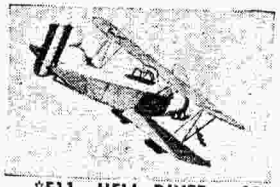
F8—FOKKER DVII 15"



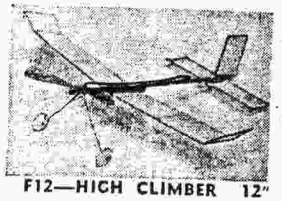
*F9—FOKKER TRIPLANE 12"



F10—FOKKER DVIII 12"



*F11—HELL DIVER 12"



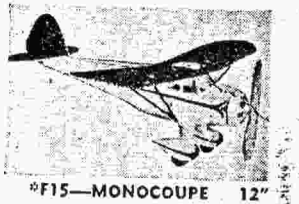
F12—HIGH CLIMBER 12"



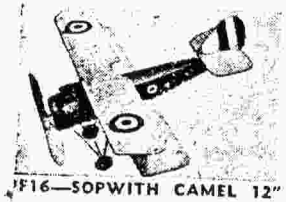
*F13—KINNER SPORT 15"



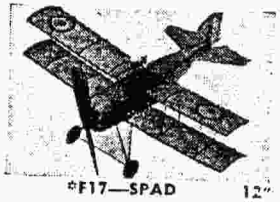
F14—LOCKHEED VEGA 15"



*F15—MONOCOUPE 12"



F16—SOPWITH CAMEL 12"



*F17—SPAD 12"

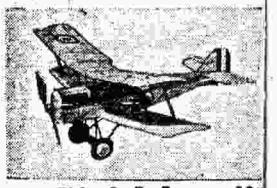


*F18—POLISH FIGHTER 12"

SCALE FLYING MODELS



F19—PUSS MOTH 12"



F22—S. E. 5 12"



*F25—VULTEE VIA 12"



F28—RYAN ST 15"



*F31—CESSNA C34 15"



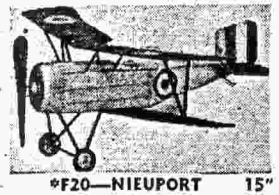
F34—TIPSY S 15"



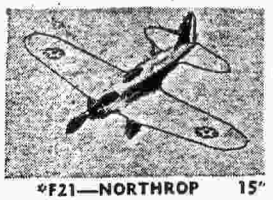
F37—B. A. EAGLE 15"

FOR YOUR PARLOR .

10¢ TURNED BALSA COWLS! (6)



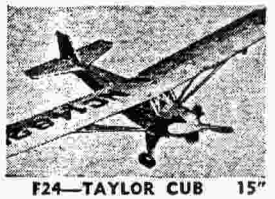
*F20—NIEUPORT 15"



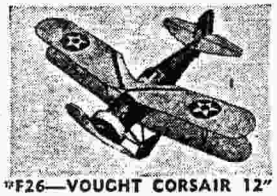
*F21—NORTHROP 15"



*F23—STINSON RELIANT 15"



F24—TAYLOR CUB 15"



*F26—VOUGHT CORSAIR 12"



F27—WACO BIPLANE 12"



F29 REARWIN SPEEDSTER 15"



F30—PRIMARY GLIDER 20"



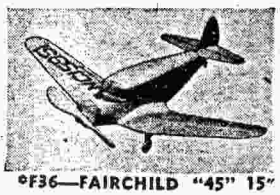
F32—DeH. HORNET MOTH 12"



F33—MILES MAGISTER 15"



*F35—FLEET TRAINER 12"



*F36—FAIRCHILD "45" 15"



*F38—GULFHAWK 12"



F39—MESSERSCHMITT 15"

FLORIDA STATE RECORDS AS OF NOV. 1991

CATAGORY I: Set at Youth Fair (Up to 26'3")

FAC Scale: Doc Martin	116.4	(11/89)
COCONUT : John LeBlanc	1:05	(11/89)
PISTACHIO: Millard Wells	1:23.1	(4/86)JaiAlai
NO-CAL: Doc Martin	1:31	(11/89)
FAC SCALE: DOC Martin	116.4	(11/89)
NOVICE 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	2:46.7	(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: Carl Hedley	135.8	(11/89)
EMBRYO : Walt Everson	175.0	(11/89)

FINISH THAT NEW MODEL + PATCH UP YOUR OLD ONES + BRING THEM OUT TO THE F.A.R.T. V

2 DAYS OF CAT. I FLYING AT THE YOUTH FAIR —

CORAL WAY + SW 109 AV.

FAC Scale Jim Miller 14-Bis	157.7	(2/90)
Coconut Dave Linstrum Compte	1:25	(2/90)
Pistachio Dave Aronstein ANT-25	2:21	(5/87)
No-Cal Scale D.Linstrum Cassutt	~~2:29~~	(2/91) → 2:45 (10/90) DAVE
Novice Penny:George Leffler	9:40	(2/90)
Easy B:Dick Obarski	13:38	(2/90)
Penny: Tony Becker	8:29	(2/86)
Peanut Scale:Jim Miller 14-Bis	187.9	(2/90)
ROG Stick:Dick Obarski 8:10		(10/87)
FED ROG: Dick Obarski	4:57	(2/90)
Manhattan: Millard Wells	5:03	(2/86)
H.L. Glider: Don Bal	82.4	(2/83)
Catapult Glider:Wayne Trivin	88.7	(9/89)
Bostonian: Wayne Trivin	387.8	(2/90)
Embryo: Wayne Trivin	433	(2/91)
Ornithopter: Frank Kieser	6:45	(2/87)

CATAGORY II (26'3" to 49' 2½")
Set at St. Pete Coast Guard Hangar & Miami Dade S. College

Dick Obarski 9:45.5 (10/90)

MASS LAUNCH:
SAT. 5:00 GOLDEN AGE
SUN. 2:00 - WW II
ANY SIZE MODEL

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

FAC Scale Wayne Trivin 14-Bis	176.5	(9/91)
Coconut: George Nunez Potez 36	1:35	(12/90)
Peanut: Wayne Trivin 14-Bis	186.0	(5/90)
Pistachio: Mike Arak Alco	1:25	(1/88)
No-Cal: Dave Aronstein	4:01	(12/90)
Novice Penny:Walt Everson	10:45	(5/86)
Penny: John Voorhees	11:16	(12/90)
Manhattan: Walt VanGorder	10:23	(12/90)
Bostonian:D.Aronstein Hi-5	480.2	(12/90)
Embryo: Dave Aronstein Lam-Animal 710		(12/90)
H.L.Glider: Don Bal	1:58.2	(1/81)
Catapult Glider:Wayne Trivin	111.7	(9/90)
Ornithopter: Frank Kieser	10:13	(1/88)
Helicopter:Gary Underwood	4:40	(1/89)
Mini Stick: ~~Dick Obarski~~	6:17.6	(5/91) → Wayne Trivin
Autogiro:Ron Ganser	10:06	(12/90)
EASY-B: Dick Obarski	19:05	(1/89)
Ducted Fan: Dave Aronstein	:42	(12/90)
Paper Stick: Dick Obarski	19:22	(12/89)
H.L. Stick (FID) Ray Harlan	23:34	(4/79)
ROG Stick:Stan Chilton	13:41	(12/89)
Peanut Speed: Millard Wells	8.6	
Unlimited Speed:Doc Martin	8.6	
Frog - Federation ROG. Wayne Trivin	5:17	(9/91)

SUPPORT DADE INDOOR - Y'ALL COME

CHECK THE CAT. I RECORDS - EASY TO BEAT!

GET YOUR NAME IN THE BOOK.

9 TO 5, NOV 30, DEC 1

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

WHAT'S ON IN FREE FLIGHT ?

NOVEMBER 23,24 SAM 46 Outdoor Free Flight meet at Palm Bay. CD Don Brimmer 813-525-6

Lots of Flying Aces Stuff both days

NOV, 30,DEC.1: MIAMA CAT.I FLORIDA ANNUAL RECORT TRIALS the FART V. Dade County Fun Fly and record trials for all sorts of models. See page 14

DECEMBER 29,30 (Or 28,29) INDOOR ANNUAL MIAMA KING ORANGE INTERNATS at DeltaAirlines Maint. Hangar, Tampa International Airport. Mass launch..PEARL HARBOR AIRCRAFT

DEC. 28,29,30 KING ORANGE OUTDOOR FF INTERNATS, Palm Bay. Lots of Flying Aces Stuff.Call Steve Bacom 904-788-7309

JAN. 25.26: US COAST GUARD HANGAR CAT.II MIAMA Meet #4 CD Dick Obarski St. Pete Airport

FEB. 22.23: MacDill AFB, Tampa. MIAMA indoor meet #5

• LOCAL MEETS - INDOORS AT MIAMI-DADE SOUTH COLLEGE CALL DR JOHN MARTIN 305 858-6363 FOR DETAILS.

• APRIL 11 + 12. ANNUAL INTER-GNATS PISTACHIO PROXY MEET

THE HANGAR PILOT

EDITOR: DR JOHN MARTIN, JR
2180 TIGERTAIL AVE MIAMI FLA.
33133

MIAMI, FL
NOV 4
PM
1991



JIM MILLER
827 YORKHAVEN RD
CINCINNATI, OH 45240