10¢

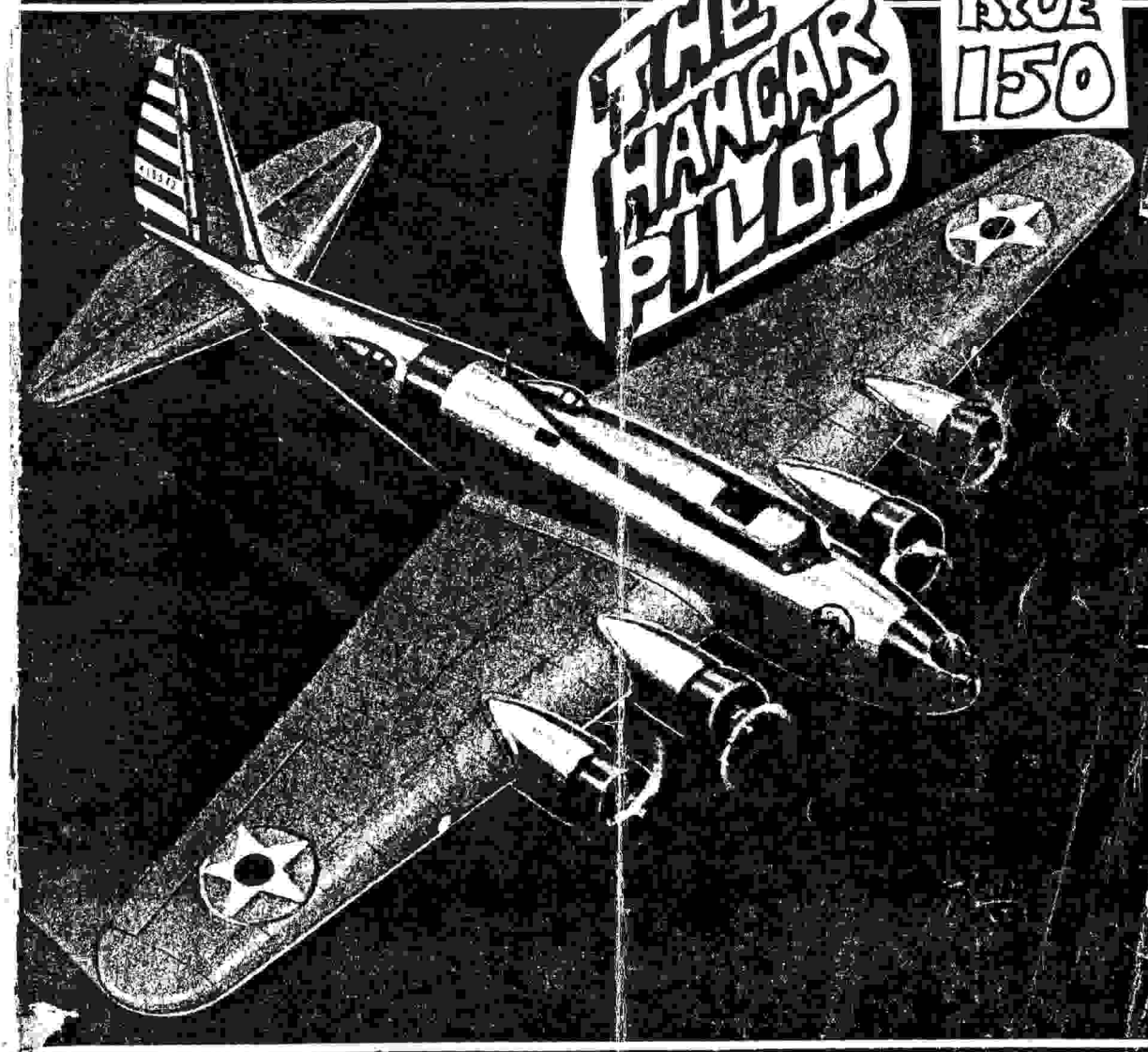
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BILL BARNES AIR TRAILS

JANUARY 1936

ISSUE 150

THE HANGAR PILOT



THE FLYING SKULL

A THRILLING BILL BARNES AIR ADVENTURE BY GEORGE L. EATON



"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.

WHERE THE FUN IS - JOHNSON CITY

A REPORT ON THE UNOFFICIAL EVENTS AT NFFS US INDOOR CHAMPS.

Here it is ,pilots...results that may not be included in the magazine reports of the great goings on at the BIG ONE: You read it in Hangar Pilot.

MIAMA GRAND PRIX - COCONUT EVENT.

Seventeen beautiful,graceful, realistic models in this one. Fifteen flew in the mass launch,ROG, feature that defies description. No mid airs as they took off and flew, and flew. Dave Linstrum and Doc Martin were so involved in running this event...and also the Pistachio event that we neglected to get a video, or any photos. S.O.S.....S.O.S.: MIAMA would appreciate any photos of these events,'cause we have none. At any rate Dave Rees Zippy Sport flew well over two minutes to win the memorable mass launch, with George Nunez' Potez 46 second. Those who were there will not forget it, and there is much requesting of more time for these models. The results of the regular Coconut event:

(GRAND CHAMP) 1. Dave Rees	Travelair 1000	1 Static	2 flight	3 Total	2:18
2. George Nunez	Potez 46	2	3	5	2:00
3. Millard Wells	Ford 2-AT	6	6	12	1:17.9
4. Doc Martin	Junkers Stratoplane	11	5	16	1:23
5. Dave Linstrum	Pilatus Porter	8	11	19	:50.8
6. Al Backstrom	Lippish Flying Wing	10	10	20	:50.1
7. Stu Weckerly	Found Floatplane	16	4	20	1:25.4

Also entered: Jack McGillivray, Keith/Curtiss Bipe,Judy Nunez,Taylorcraft, Gil Coughlin,Dewotine D33,Mauboussin PMX, and 2nd and 3rd models from above.

MIAMA GRAND PRIX - PISTACHIO EVENT:

And here it is.. the report of PISTACHIOS at J.C. There were 29 of them with an air armada of GIL COUGHLIN's NINE models...all of which flew beautifully. Boy, you either like these things, or you don,t. Even the critics admit that building one is a true learning experience...once you build a pistachio, everything else seems huge.. I love 'em, they have made a much better builder out of me.

RESULTS OF MIAMA GRAND PRIX PISTACHIO EVENT, JOHNSON CITY 1992:
Any number of entries, unlimited flying on any day..back in the gym

(2)

Grand Champ	Millard Wells Jenny JN-4	Scale rank 4	Flight rank 8	Total 12	Time 39.0
2.George Nunez	Sopwith Tripe	1	15	16	33.2
3.Dave Robelyn	PT-19	8	11	19	34.7
4.Paul Avery	Wright Model L	17	3	20	57.0
5.Dave Linstrum	Messerschmitt M18	15	5	20	45.0
6.Gil Coughlin	Polish pedal plane	7	17	24	31.3
7.Doc Martin	Curtiss/Langley	11	18	29	31.0
8..Mason Plank	Albatross D V	9	28	37	8.0

In addition to his winning Jenny, Millard Wells entered and flew a Waco SRE, Huntington H-12, Fokker tripe. Nunez flew a Fokker D VIII, Breguet bipe, and Nieuport sesquiplans. Paul Avery had a Waterman Gosling. Linstrum flew his Goldwing, Messerschmitt M-17, Contestar, and Hostler Fury. Doc Martin flew a Windham Tandem and Messerschmitt M-20. Gil Coughlin amazed the locals with a Bellanca Skyrocket, Messerschmitt M-17, Mauboussin PM X, Ant-25, Beardmore Wee Bee, Pilatus Porter, Martin MO-1, and Windham Tandem.....WOW! This proves when you build at pistachios, you can't stop at just one!

1ST LOCAL MEET
SUN. SEPT. 13
UNITED TILE
DIME SCALE, NO CAL, MASS LAUNCH GOLDEN AGE, + FLY IN.
NW 13 ST + 87 AVE, MIAMI

1ST STATE MEET
SEPT 19, 20
MACDILL AFB
9 TO 5 - TAMPA
THE 22ND SEASON STARTS

FLYING ACES EVENTS, JOHN. CITY, CD JIM MILLER

HL-WING MONOPLANE		Scale Score	Best Flight	Total
1.Michael Thompson	Lacey	50½	120(82.5)	133
2.Jim Miller	Lacey	53½	100(77½)	131
3.Don Slusarczyk	F.R.E.D.	56	82 (71)	127
4.Dave Rees	Corona Cougar	62½ (MAX!)	67 (63½)	126
5.Joseph Coles	Air Camper	54	83(71½)	125½
6.Stan Fink	Vagabond	52	86(73)	125
7.George Nunez	Turbo Beaver	53½	70(60)	118½
8.Millard Wells	Cessna R-6	50½	72(66)	116½
9.John Blair	Elias Airsport	52	65(62½)	114½
10.Doc Martin	Puss Moth	49½	69(64½)	114
11.Doc Martin	J-3 Cub	46½	57	103½
12.Carl Hedley	Lasa 60	50½	37	87½

BIPLANE:

1.Don Slusarczyk Voisin Hydro	53½	120(82½)	136
2.Doc Martin Astra	45	74(67)	112
3.George Nunez Hanriot HD-1	52	53.8	105.8
4.Jim Miller 14-Bis	53	45½	98½
5.Stan Fink Euler D-2	51½	42.3	93.8
6.John Blair DH-6	51½	41	92½

Also entered: Jim Miller, Waco SRE, Wayne Trivin 14-Bis, M.Wells, Rose Parakeet and Waco Cabin, Mason Plank Waco SRE.

GOLDEN AGE: No scale judging, Total of three flight, 2 min. max.

1.Stu Weckerly Stout 2AT	5:47
2.J. Kortenbach Chester Goon	5:28.3
3.John Blair Cessna C-34	4:58
4.Jim Miller P.A.M.A.	3:47.9
5.Millard Wells Huntington	3:13.6
6.Dave Linstrum Goon	3:00
7.George Nunez Blackburn	2:17
8.Dock Martin Waco	:55

WORLD WAR I COMBAT:
LARRY LOUCKA, DH-6, won the final over Juergen Kortenbach and a field of eight.

MILLARD WELLS - 2ND
PALLAIRE SOPWITH CAMEL

(3) ANNOUNCING: A WHOLE NEW CONCEPT IN INDOOR MODEL FLYING - TWO PROGRAMS

A new season, a new concept.
PILOTS, we're in our 22nd year so I guess we're established. The mystery to me is the MIAMA GHOST SQUADRON..... those pilots who get the Hangar Pilot but never show up at meets. THIS YEAR YOU GHOSTS WILL GET SPECIAL ENCOURAGEMENT. Here's the program:

MIAMA has become two clubs. (1)The die hard regulars who make the trek to the Tampa area no matter how long the drive, and fly, and fly.
(2) The Miami area pilots who used to fly in the blimp hangar,but have been neglected lately with few meets, and poor sites.- BUT ALL THAT IS GOING TO CHANGE THIS SEASON - WE'RE GONNA HAVE TWO PROGRAMS.

TO FLY THE FLA. STATE CHAMPS:

Start building now for the 6 Tampa Area meets.
We will have the same events and the same point sysyem that we are all familiar with, and that works so well. The overall champ, and the class champs will be determined from the best 5 point totals of these meets. See elsewhere in this issue for all the winners of the 1991-1992 season.
SOME NEW AND ENCOURAGING AWARDS: We will be keeping annual points on the MASS LAUNCH EVENTS that everyone enjoys. There will be the SID GILBERT mass launch trophies at the end of the year for Coconut, Peanut and Flying Aces.. NEWCOMERS..Don't be intimidated by the old pros who have been flying for seasons. WE HAVE A NEW AWARD... THE TYRO AWARD. This is specially for the highest ranked Hangar Pilot WHO HAS NEVER WON A MIAMA AWARD. There's hope forall of us,gang.

HOW TO FLY THE LOCAL SCENE:

Seven meets in the Miami Area plus the Pistachio Inter-Gnats ,and FART VI- The Tile Warehouse and the Youth Fair will be the site of our fly-ins, PLUS THREE SCHEDULED EVENTS FOR ANNUAL POINTS...
(1) DIME(¢10) SCALE. Build from a Comet,Megow,Dallaire,Burd,Continental plan.
(2) NO-CAL Scale. Plenty of plans available..ask Linstrum
(3)MASS LAUNCH EVENTS, each contest, to be announced.

Does the above seem too ambitious,pilots? Will we fall on our faces? We'll see. It's up to us to do some building and participating. The local Dime Scale models, and the No-Cals will do OK at State Meets.

FIRST LOCAL MEET - SEPT. 13
BUILD A DIME SCALE MODEL !
FIRST MEET. SEPT. 19,20 MACDILL AFB - STATE

16" FLYING MODELS 10c

(4)

SIZE

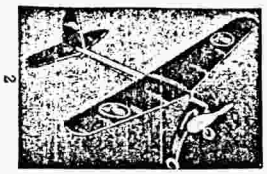
This Comet series of 16"—10c flying models gives you a real dime's worth. Every model with its big wingspan has its "extra" in value.

QUALITY

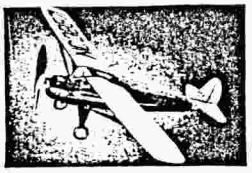
Comet's tremendous purchasing power makes the best of materials possible at a low cost to you. A very thorough checking system guarantees the model builder the highest of quality in every Comet kit.

FLYABILITY

All of these kits are made to fly. Their designers are ardent model builders. They have all won recognition in contest activities and really know how to design models that fly.



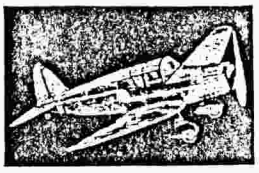
No. A1 Phantom Flash R.O.G.



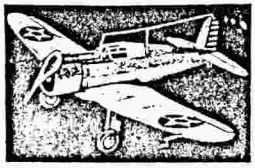
No. A2 Luscombe "50"



No. A3 Fairchild "24"



No. A4 Aeroneer



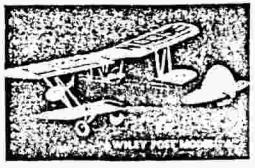
No. A5 Vought Pursuit



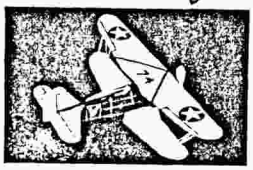
No. A6 Aeronca Seaplane



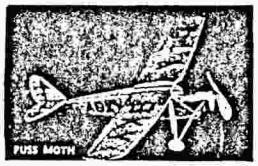
No. A7 Consolidated Trainer BT-7



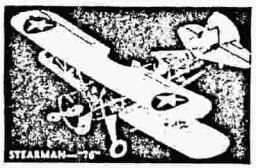
No. A8 Wiley Post Model "A"



No. A9 Curtiss Hawk P6-E



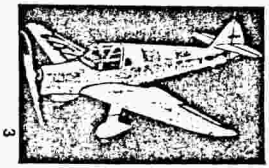
No. A10 Puss Moth



No. A11 Stearman "76"



No. A12 Curtiss Wright Coupe



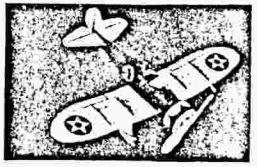
No. A13 Ryan Cabin



No. A14 Low Wing Aeronca



No. A15 New Taylor Cub



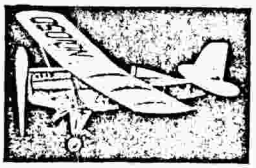
No. A16 Boeing P-26A



No. A17 Art Chester Racer



No. A18 Winnie Mae



No. A19 Corben Super Ace



No. A20 Howard's "Mr. Mulligan"

These kits contain easy to read plans that are a pleasure to work from. Many sketches clearly show all assembly details.

Comet kits include easier to build line up methods that assure good flyability. Build one of these kits and you'll build all.

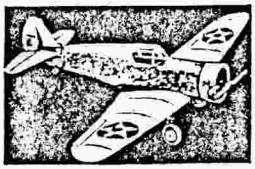
SEE NEXT PAGE FOR MORE SENSATIONAL 10c MODELS

(5)

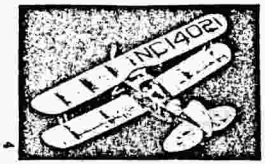
16" FLYING MODELS 10c

You will be delighted at the generous quantity of materials in these kits. There's enough to complete the models without skimping.

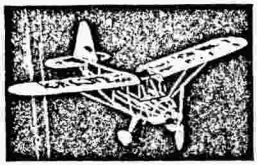
Properly chosen materials account for the sturdy construction of these models that stand up so well under the stress of repeated flights.



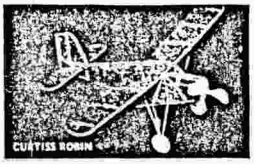
No. A21 Curtiss Hawk P-36



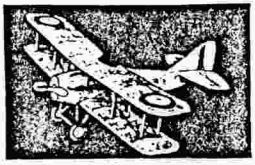
No. A22 Great Lakes Trainer



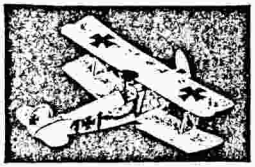
No. A23 Stinson 105



No. A24 Curtiss Robin



No. A25 Wartime Spad



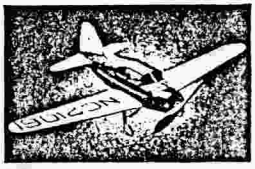
No. A26 Fokker D-7



No. A27 Monocoupe



No. A28 Rearwin Speedster

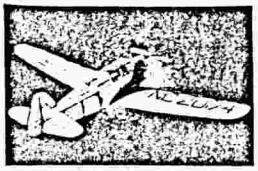


No. A29 Harlow

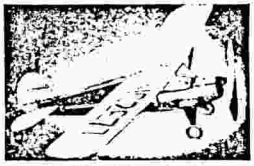
20" FLYERS 10c

LATEST WAR PLANES

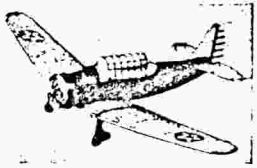
These super-span models are truly "big" models. Carefully designed and so accurate in detail it's no wonder they're "tops" to the modelers' who want the best.



No. A30 Allied Sport



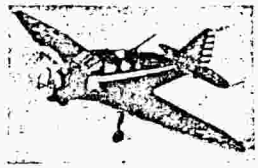
No. A31 Akron Funk



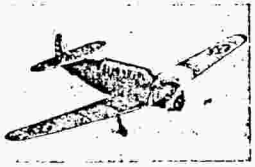
No. A32 North American



No. A33 Taylorcraft



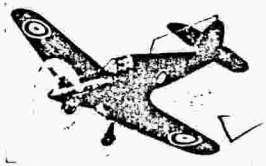
No. A34 Spartan Fighter



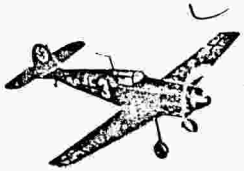
No. A35 Vultee Attack

16" AUTHENTIC—REALISTIC 10c

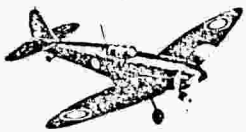
Trim and sleek—these zippy Comet war planes are accurate in scale and realistic in appearance with true color insignia, aerial, exhausts and dummy pilot details. New, easy construction includes an automatic line up jig method, stronger wings, and a landing gear that will "take" severe landings. Flight tested by Carl Goldberg, these models proved to be exceptionally fine performers and can easily be built and successfully flown by any modeler.



Kit No. A36 Hawker Hurricane
This is a late English interceptor fighter that's proving very successful in air combat. Climbs to 20,000 ft. in 9 min. Fires 8 guns, four in each wing.



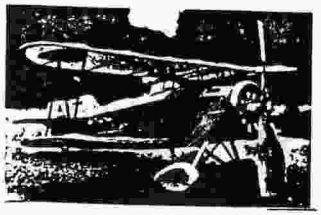
Kit No. A37 Messerschmitt
Very maneuverable, this German plane has a top speed of 350 M.P.H. Equipped with 4 machine guns and a cannon that fires through propeller hub.



Kit No. A38 Supermarine Spitfire
One of the most talked of interceptors in the R.A.F. Carries 8 to 12 machine guns, yet is considered the fastest ship in the service having a speed of 367 M.P.H.

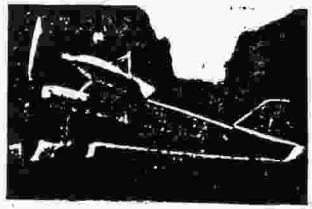
EVERY KIT A TRUE COMET VALUE

SCALE FLIGHT MODEL CO.



Old Fashioned Rubber Powered Model Airplane Kit

Scale Flight Model Co. kits consist of the following. Contest grade printwood (all parts printed out). Contest quality stripwood cut to size. Machine cut balsa propeller (just like the old days). The best Japanese tissue available. Has that super fine "crinkle". Wood wheels—not plastic. Competition nose plug (bushed). Thrust washers (brass) and prop shaft. Prop freewheeler. FAI rubber strip motor. Copy of a genuine 10¢ plan that was used in the 1930-1940 era. Many plans 50 years old. All kits suitable for the new "DIME SCALE" rubber event and the Brown A23-CO2 motor.



Phone 1-812-339-8274

1219 S. Washington Bloomington, Indiana 47401

"Dime Scale" Full Kits

Comet	W/S	
Phantom Flash	16"	$7.95
Allied Sport	20"	8.95
Curtiss Robin	16"	7.95
Corben Super Ace	16"	8.95
Consolidated BT-7	16"	8.95
Great Lakes Trainer	16"	8.95
Fokker D-7	16"	8.95
Stinson 105	16"	7.95
Art Chester Racer	16"	7.95
Boeing P26-A "Peashooter"	16"	7.95
Monocoupe 90A	16"	8.95
Spad 13	16"	8.95
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Aeronca Low Wing	16"	7.95
German Arado Ar96B-2	16"	7.95
Taylorcraft	20"	8.95
Curtiss Falcon	16"	8.95
Aeronca Seaplane	16"	7.95
Farman Stratoplane	16"	7.95
Dehavilland Puss Moth two part plan 1935 #224	16"	10.95
Mr. Mulligan	16"	8.95
New Taylor Cub J-3	16"	7.95
Senior R.O.G.	21"	9.95
Wiley Post Model A	16"	8.95
Viking Kittyhawk B-8	16"	8.95
Winnie Mae (Vega)	16"	8.95
Spartan Biplane	16"	8.95
Tiger Moth Biplane	16"	9.00
Fleet Special Biplane	16"	9.00
Supermarine "Spitfire"	16"	9.95
Ryan Cabin SC	16"	9.95
Heath LNB-4 "Parasol"	16"	7.95
Curtiss Wright "Coupe"	16"	8.95
Spartan Fighter	20"	9.95
Security Sport	10"	7.95
Messerschmitt ME-109	16"	8.95
Aeroneer 1-B	16"	8.95
Curtiss Hawk P-36	16"	9.95
Stearman "76"	16"	8.95
North American NJ-1	20"	8.95
Curtiss Airmail Biplane	16"	8.95

Megow	W/S	
Curtiss Helldiver	12"	$7.95
Fokker D-7	18"	19.95
Corben Super Ace	18"	19.95
Corben Super Ace	12"	7.95
Cessna C-34	15"	7.95
Kinner Sportster	15"	7.95
Fairchild "45"	15"	7.95
Aeronca C-3	12"	7.95
Taylorcraft Seaplane	16"	7.95
Vultee V-1A	12"	7.95
Consolidated P-30	12"	7.95
Tipsy -S	15"	7.95
Curtiss Export Falcon	12"	7.95
Polish Fighter	12"	7.95
Rearwin Speedster	15"	8.95
Hi Climber R.O.G.	12"	6.95
Fleet Trainer	12"	7.95
Sopwith Camel	12"	7.95
Primary Glider	20"	7.95
Senior R.O.G.	16"	7.95
Taylor Cub J-2	18"	14.95
Grumman Gulfhawk	12"	7.95
Polish Fighter	12"	7.95
"Swift" Endurance	21½"	19.95
A.Y.A. Senior R.O.G.C29	19"	11.95
Monocoupe "90"	18"	14.95
Spad 11	12"	7.95
Boeing P-12E "Pursuit"	12"	7.95
Grumman FF-1 "Fifi"	12"	8.95
Fokker D-R-1 "Triplane"	12"	8.95
Monocoupe 90A	12"	7.95
Fokker D-8 "Flying Razor"	12"	7.95
Waco Cabin Biplane	12"	7.95
Northrop "Pursuit" XFT-1		$9.95
Taylor "Cub" 15"		8.95
British S.E.5 18"		8.95
Bristol "Scout" 12"		8.95
Fokker D-7 15"		9.95
Vought "Corsair" V-100 12"		8.95
Curtiss "Swift" Pursuit 12"		8.95
Douglas "Observatism" 12"		8.95
Messerschmitt M29 15"		8.95

Peerless	W/S	
Bellanca Junior	15"	$7.95
Midget Rocket - gas type for the Brown A23 CO_2 motor -or rubber power.	15"	7.95
Clipper-Endurance Model	16½"	8.95
Junior Endurance-Embryo	18"	11.95
Fokker D-8	15"	8.95
Cessna C-37	15"	7.95

Scientific	W/S	
"Raven" Endurance Model	25"	$14.95
"Bantam" Endurance Model	25"	14.95
"Major" Endurance Model	25"	14.95
"Windsor" Endurance Model	25"	14.95
Korda "Victory" Endurance	32"	22.95
"Whippet" Endurance	30"	22.95
Bellanca "Pacemaker"	20"	15.95
"Wizard" Endurance Model	25"	14.95

Madison Models	W/S	
Dewoitine D-33	20"	10.95

Scale Flight Machine Cut Balsa Props

7" Wide Blade	$1.25	5½" Regular	$ .65
7" Regular	1.00	5" Regular	.50
6" Wide Blade	1.00	4½" Regular	.50
6" Regular	.85		

Catalog Reprint List

Year	Company	Price	Pages	
1939	Modelcraft	$4.00	18	
1939	Scientific	5.00	34	
1940	Scientific	5.00	32	
1940	Comet	5.00	38	
1940	Megow	13.00	128	
1941	Comet	12.00	64	
1941	Megow	13.00	128	
1942	Megow	13.00	128	War Time
1942	Comet West Coast	13.00	40	8 "x 11" Big! War Time
1943	Scientific	5.00	20	War Time
1938	Megow	11.00	52	A Classic!

All kits suitable for the new "Dime Scale" rubber event and the Brown Jr. A23-CO_2 motor. All kits are handmade and include the new Scale Flight Model Co. kit box.

Plus Postage and Packing.

FLASH!!
All models suitable for the new Brown "B-100" CO_2 Motor!
Made by Brown Junior Motors Inc.

New Kit Releases Available Now!

Comet	W/S	
CM-80 Puss Moth A10	16"	$7.95
Akron Funk B-1 A-31	20"	8.95
Curtiss Robin Simple very early kit	12"	7.95
Curtiss "Hell-Diver" Good detail.	12½"	16.95
Miller "Racer" Originally a 5 cent kit	10"	7.95
Bellanca "Skyrocket" A-135	25"	21.95
Cessna C-34 A-132	25"	21.95

Megow		
Nieuport 17-C C-4	18"	$21.95
Stinson "Reliant" SR-6 C-5	24"	22.95
Nieuport 11 "Baby Scout" F-20	15"	9.95
Arrow Sport V-8 Ford V-8 Power	23"	22.95
Corben "Super Ace"	24"	22.95

Peerless		
Heath "Midwing" No. 255	24"	21.95
"RED FLASH" Endurance Model Great Flyer!	28"	21.95

Dallaire		
Sopwith "Camel"	12"	8.95

All models for rubber or CO^2 power. The larger 23" to 25 models can be powered with the "HI-LINE" Electric motor.

I am always looking for good plans to reproduce--let me know what you have.

I have been working on the MEGOW "Motor Hum" DEVIC It should be ready soon also!

JUL 7 1992

Kits to U.S.A. Shipping Charges	1st Class Mail	U.P.S.
1 kit	$2.50	$2.25
2 kits	3.00	2.50
3 kits	3.25	2.75
4 kits	3.75	3.00

Dear Doc,

Thanks for the ~~inquiry~~ order.

Best regards,
Jack Fike
Jack Fike

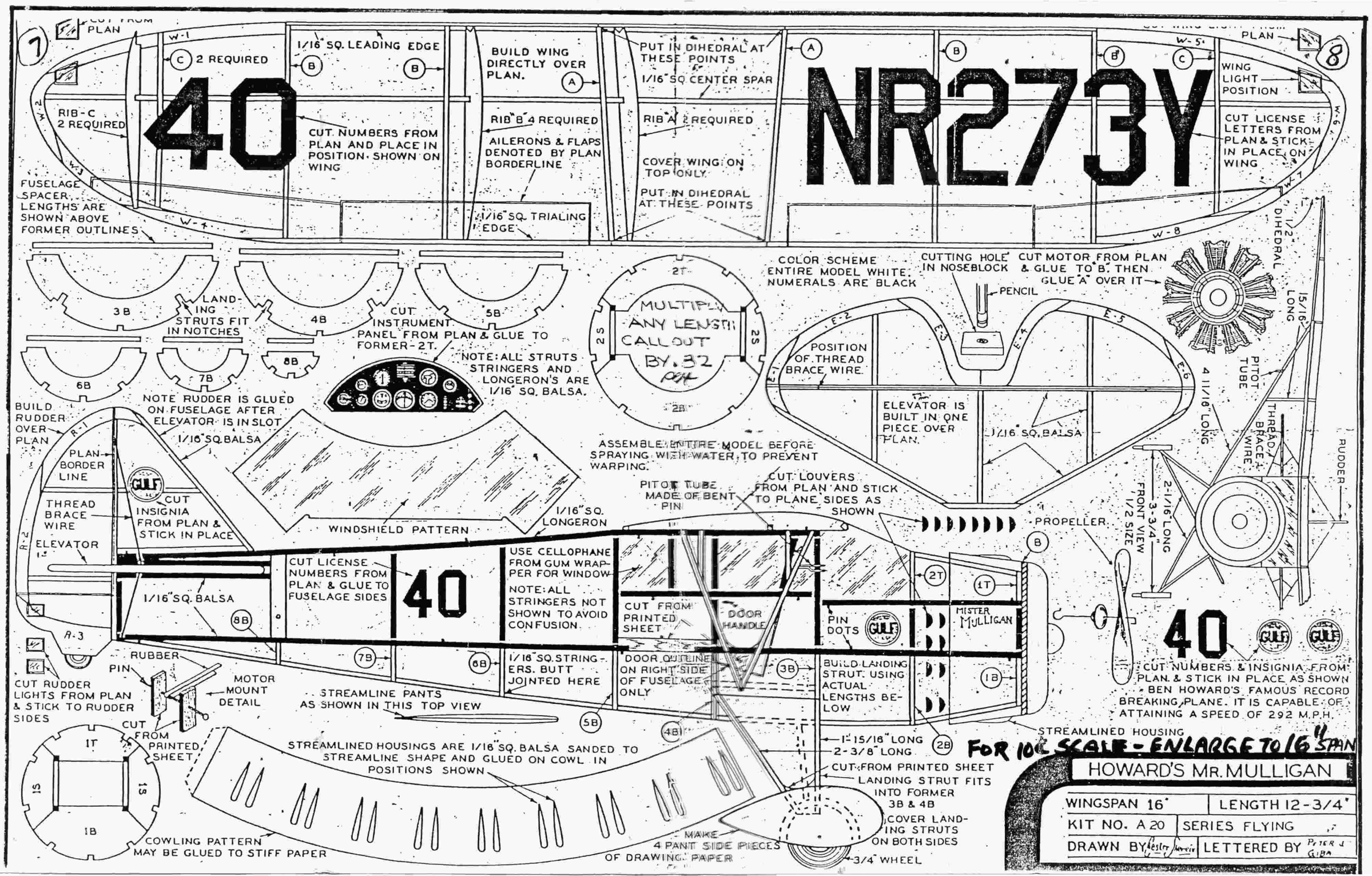
SCALE FLIGHT MODEL CO.

1219 S. WASHINGTON ST, BLOOMINGTON, INDIANA 47401

The 1951 "Funster" 1/4A Gas Model 13" W/S
For Nostalgia F.F. Or Sport Flying Fun!

$11.95

THANK YOU FOR THE HANGAR PILOT


7
CUT FROM PLAN
W-1
C 2 REQUIRED
1/16 SQ. LEADING EDGE
B
B
BUILD WING DIRECTLY OVER PLAN.
A
PUT IN DIHEDRAL AT THESE POINTS
1/16 SQ CENTER SPAR
A
B
B
C
W-5
PLAN
8
WING LIGHT POSITION
W-2
RIB-C 2 REQUIRED
40
CUT NUMBERS FROM PLAN AND PLACE IN POSITION SHOWN ON WING
RIB B 4 REQUIRED
AILERONS & FLAPS DENOTED BY PLAN BORDERLINE
RIB A 2 REQUIRED
COVER WING ON TOP ONLY
PUT IN DIHEDRAL AT THESE POINTS
NR273Y
CUT LICENSE LETTERS FROM PLAN & STICK IN PLACE ON WING
W-3
W-4
W-6
W-7
W-8
FUSELAGE SPACER LENGTHS ARE SHOWN ABOVE FORMER OUTLINES
1/2 DIHEDRAL
3B
LAND-ING STRUTS FIT IN NOTCHES
4B
CUT INSTRUMENT PANEL FROM PLAN & GLUE TO FORMER-2T.
5B
2T
MULTIPLY ANY LENGTH CALLOUT BY .32 PSH
2S
2S
2B
NOTE: ALL STRUTS STRINGERS AND LONGERON'S ARE 1/16 SQ. BALSA.
COLOR SCHEME ENTIRE MODEL WHITE. NUMERALS ARE BLACK
CUTTING HOLE IN NOSEBLOCK
PENCIL
CUT MOTOR FROM PLAN & GLUE TO B THEN GLUE A OVER IT
15/16" LONG
6B
7B
8B
E-1
E-2
E-3
E-4
E-5
E-6
POSITION OF THREAD BRACE WIRE.
ELEVATOR IS BUILT IN ONE PIECE OVER PLAN.
1/16 SQ. BALSA
4 11/16" LONG
PITOT TUBE
THREAD BRACE WIRE
BUILD RUDDER OVER PLAN
R-1
NOTE RUDDER IS GLUED ON FUSELAGE AFTER ELEVATOR IS IN SLOT
1/16 SQ BALSA
PLAN BORDER LINE
GULF
CUT INSIGNIA FROM PLAN & STICK IN PLACE
ASSEMBLE ENTIRE MODEL BEFORE SPRAYING WITH WATER, TO PREVENT WARPING.
PITOT TUBE MADE OF BENT PIN
CUT LOUVERS FROM PLAN AND STICK TO PLANE SIDES AS SHOWN
2-1/16" LONG
3-3/4" FRONT VIEW 1/2 SIZE
RUDDER
THREAD BRACE WIRE
ELEVATOR
R-2
WINDSHIELD PATTERN
1/16" SQ. LONGERON
PROPELLER
B
CUT LICENSE NUMBERS FROM PLAN & GLUE TO FUSELAGE SIDES
40
USE CELLOPHANE FROM GUM WRAPPER FOR WINDOW
NOTE: ALL STRINGERS NOT SHOWN TO AVOID CONFUSION.
2T
1T
1/16" SQ. BALSA
8B
CUT FROM PRINTED SHEET
DOOR HANDLE
PIN DOTS
GULF
MISTER MULLIGAN
R-3
7B
6B
1/16" SQ. STRING-ERS. BUTT JOINTED HERE
DOOR OUTLINE ON RIGHT SIDE OF FUSELAGE ONLY
3B
BUILD LANDING STRUT USING ACTUAL LENGTHS BE-LOW
1B
40
GULF
GULF
CUT NUMBERS & INSIGNIA FROM PLAN & STICK IN PLACE AS SHOWN BEN HOWARD'S FAMOUS RECORD BREAKING PLANE. IT IS CAPABLE OF ATTAINING A SPEED OF 292 M.P.H.
RUBBER
PIN
MOTOR MOUNT DETAIL
CUT RUDDER LIGHTS FROM PLAN & STICK TO RUDDER SIDES
STREAMLINE PANTS AS SHOWN IN THIS TOP VIEW
5B
4B
STREAMLINED HOUSING
1" 15/16" LONG
2-3/8" LONG
2B
FOR 10¢ SCALE - ENLARGE TO 16" SPAN
CUT FROM PRINTED SHEET
LANDING STRUT FITS INTO FORMER 3B & 4B
COVER LAND-ING STRUTS ON BOTH SIDES
1T
1S
1S
1B
STREAMLINED HOUSINGS ARE 1/16" SQ. BALSA SANDED TO STREAMLINE SHAPE AND GLUED ON COWL IN POSITIONS SHOWN
COWLING PATTERN MAY BE GLUED TO STIFF PAPER
MAKE 4 PANT SIDE PIECES OF DRAWING PAPER
3/4" WHEEL
HOWARD'S MR. MULLIGAN
WINGSPAN 16"
LENGTH 12-3/4"
KIT NO. A 20
SERIES FLYING
DRAWN BY Chester Smith
LETTERED BY PETER J GUBA

(9) LA LA LAND ALERT!: SUMMER FAC POSTAL EVENT

SCIENTIFIC HI-FLYERS

FROM FLYING ACES NEWSLETTER

Hey! Skysters! A new postal contest for you to spice up your summer. We decided to go for the old Scientific kit plans for this one. Any model (scale) built from an old Scientific plan is eligible. Any size will do. Just as in our other postal contests fly your model and send the times to GHQ. fly as many times as you want with as many differant models as you wish. Every time you better a time with a particular model send that time. Contest times also count. The contest starts now and will end on Oct. 31, 1992. Entries postmarked after Nov. 1, 1992 will not be accepted. BUILD--FLY--WIN--FAC!!!!!!

Three Mini-Sticks



And here's one of our cottage industries coming in, right on cue, to supply us with Mini-Stick kits. Talk about timelessness! I've been asked so many basic questions on how to get started and how to get in on this activity, along with requests for the six Mini-Stick plans, that these kits should be just the thing.

Lew Gitlow's Indoor Model Supply kits have three different designs in every box. Each kit contains select, color-coded, premium balsa for at least three models, design requirements for Mini-Sticks, a plans sheet which includes a prop jig template, full details, and lots of illustrations. Kits include Ultra Film covering and all materials except cement. The kit costs $9.95.

Standard Quick Cement, ideal for attaching the covering, is now available in a steel tip glue gun with wire insert for $2.95. Modelers who want to try their own designs will find the Mini dual bearings, six for $4, very helpful. An 18-page catalog is $1 with the kit or $2 alone. Add $3 for shipping. Mailing address is Indoor Model Supply, Box 5311, Salem, OR 97304.

Man, oh man, the U.S. Cavalry comes riding over the hill just in the nick of time! See what I mean about our misnamed cottage industries being in the vanguard?

TRY SCALE FLIGHT FOR THESE PLANS, TOO. THESE WERE $50 KITS!

June 30.1992

Dear Doc: ARAK REMEMBERS A HADLAND COVERING TIP - SOAK IT!

A thought occurred to me today, as I was thinking fondly of Butch: Since we can't bring Butch back, and Laurie Barr has initiated a memorial type trophy, perhaps those of us who knew Butch, and were given so much by him through his modeling expertise, we should pass on his knowledge and spirit by recounting items of interest to other modelers.

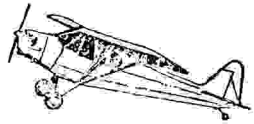
For example, Butch's method of making wings and stabs with the right amount of wash-in or wash-out, (or flat without bowing). When he first described his method to me, I thought he was joking, as he occasionally did, as it was contrary to accepted practice. His method is simple: after the component is tissue covered, before it is doped, it is saturated (completely wetted) with water. Not the usually recommended "damp mist" or with alcohol, but really wet. Then it is pinned to a surface (building board, foam sheet, etc.) with balsa shims in the proper locations to create the twist. For a P-nut sized wing, I use 1/8" square strips, longer than the cord of the wing, and lay them under the root and tip ribs, and usually in the center of the wing, and the shims on top of them. The wing is laid on top of this and held in place with angled pins. Let it dry overnight,* use your favorite doping technique, and forget it. It will never change.

* Sometimes for days!

Butch explained that the water relieved the stresses in the leading and trailing edges, and spars, and they take on the new "set". I have used this technique on P-nut sized stabs, double covered, as well as wings. It makes the stab really flat, and permanently so.

I can see Butch's smiling face, up in modelers heaven, as he say's "Try it mate, it really works!"

Happy Flying,
Mike



AWARDS BANQUET IN NOV.

(10)

1991-1992 SEASON

MIAMA HALL OF FAME

BEST 5 OF 7 MEETS

STATE INDOOR CHAMP - WAYNE TRIVIN

RUNNER UP - DOC MARTIN

OVERALL POINTS:

1. Wayne Trivin	126
2. Doc Martin	96
3. George Nunez	83
4.Millard Wells	79
5. John Barker	69
6.Dave Linstrum	65
7.Dick Obarski	59
8.Sidney Gilbert	50
9.Dick Hardcastle	29
10.Walt Schlesinger	27
11. John Voorhees	21

[There were 23 more pilots who had fewer annual pts.]

PEANUT SCALE POINTS:

1.Doc Martin	24
2.George Nunez	22
3.Millard Wells	19
4.Sidney Gilbert	13
5.Wayne Trivin	8
6.Fred Beeson	5
6.Juergen Kortenbach	5
8.Carl Hedley	4
9.Wm. Stoutenburg	3
9.Walt Schlesinger	3
11.Jake Larson	3
12.Roger Laudatl	1
13.Bob.Eskridge	1
14.Steve Borona	1

FLYING ACES SCALE:

1.Doc Martin	25
2.Millard Wells	22
3.George Nunez	19
4.Dave Linstrum	12
9.Juergen Kortenbach	3
5.Walt Schlesinger	7
6.Wayne Trivin	6
7.Bill Criss	5
8.Jake Larson	4

FLYING ACES NO-CAL SCALE

1.Wayne Trivin	20
2.Dave Linstrum	17
3.Tom McCoy (TIE)	15
3.John Voorhees (TIE)	15
5.Doc Martin	13
6.Dick Obarski	12
7.Walt Schlesinger	5
8.Millard Wells	4
9.Joe Nuszer	2
9.Sidney Gilbert	2
11.Gil Coughlin	1

COCONUT SCALE:

1.Dave Linstrum (TIE)	14
1.Doc Martin (TIE)	14
3.Millard Wells	12
4.George Nunez	8
5.John LeBlanc	2
5.Walt Schlesinger	2
7. Gil Coughlin	2

PISTACHIO SCALE:

1.Doc Martin	11
2.Dave Linstrum	9
3.George Nunez	8
4.Millard Wells	6
5.Wayne Trivin	4
6.Kaz Suzuki	1

BOSTONIAN:

1.Wayne Trivin	37
2.John Barker	32
3.Dick Obarski	24
4.Sidney Gilbert	23
5.George Nunez	22
6.Millard Wells	17
7.Doc Martin	13
8.Walt Schlesinger	6
9.Carl Hedley	4
10.Bob Eskridge	1
11.Roger Laudati	1

LIMITED (NOVICE) PENNY PLANE

1.Wayne Trivin	12
2.Dick Obarski	10
3.Dick Hardcastle	10
4.John Barker	4
5.John Voorhees	2
5.Barbel LeBlanc	2
7.Millard Wells	1

PENNY PLANE

1.Dick Obarski (TIE)	5
1.Wayne Trivin (TIE)	5
3.John Voorhees	4
4.Walt VanGorder	3
5.John Barker	2
5.Rich MacEntee	2
7.S Gottlieb	

CATAPULT GLIDER

1.Dave Linstrum	3
2.Doc Martin	2
1.Millard Wells	1

EASY B EVENT:

1. Dick Obarski	17
2.Wayne Trivin	12
3. John Barker	11
3. Dick Hardcastle	11
5. Millard Wells	5
6.Walt VanGorder	4
7.Joe Nuszer	3
8.RogerLaudati	2
8.John LeBlanc	2
10.Bob Eskridge	1
11.Ron Ganser	1

MINI STICK EVENT:

1.Wayne Trivin	23
2.John Barker	22
2.Dick Obarski	22
4.Doc. Martin	15
5.John LeBlanc	13
6.Dick Hardcastle	9
7.Millard Wells	6
8.Joe Nuszer	4
9.Frank Kieser	1
10.Bob Eskridge	1
11.Dave Linstrum	1

EMBRYO ENDURANCE:

1.Dave Linstrum	11
2.Sidney Gilbert	9
3.Wayne Trivin	6
4.Walt Schlesinger	5
5.Carl Hedley	4
5.Bill Crisss	4
7.George Nunez	3
7.Doc Martin	3
9.Sidney Gilbert	2

NOTICE HOW CLOSE ALL THE EVENTS WERE!

CONGRATULATIONS TO ALL THE WINNERS AND THANKS TO ALL WHO FLEW! AND KEPT THE FLAME ALIVE. LOTS OF EFFORT, LOTS OF FUN!!

STATISTICS COMPILED BY RICH MACENTEE

(11) DIME SCALE RULES MIAMA. 1992

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 ¼". 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. $2.50
POND'S PLAN SERVICE PO BOX 90310 SAN JOSE CA, Catalog. $3.00

FAC RULES

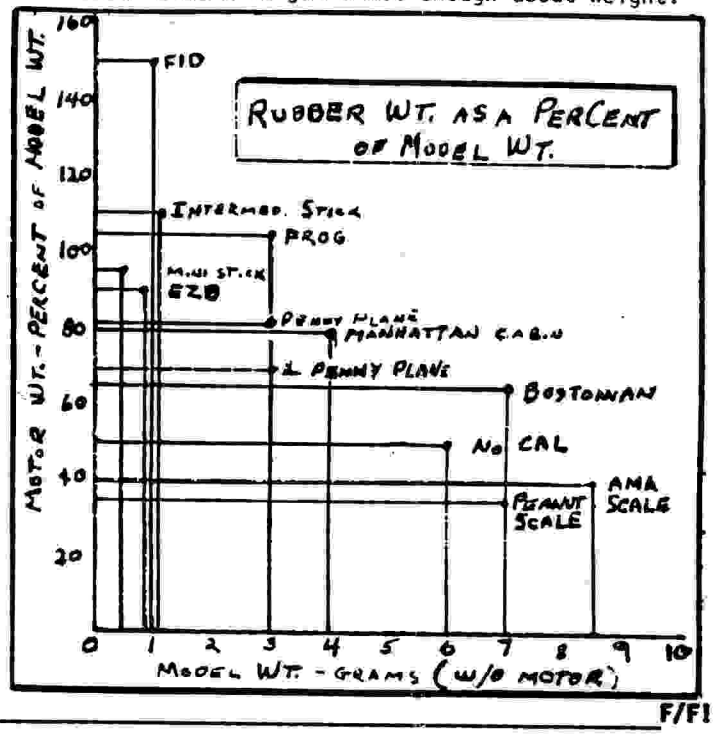
NO-CAL PROFILE SCALE INDOOR MIN. WT 6.2 gm

1. A simple event for recognizable profile models with a wingspan limit of 16 inches.
2. Total of three flights to determine score. Highest total score wins. Fly-off to break ties.
3. Any flight of 20 seconds or more is official. All flights to be hand launched. No maximum flight time.
4. Model must have control outlines, registration numbers or letters, etc. Model must be in correct color scheme, have documentation to prove it. Model must also have full landing gear, either one, two or three legged. No profile gears. Retractable gear may be built in the up position. All wing struts must also be on model. Judges decision is final.

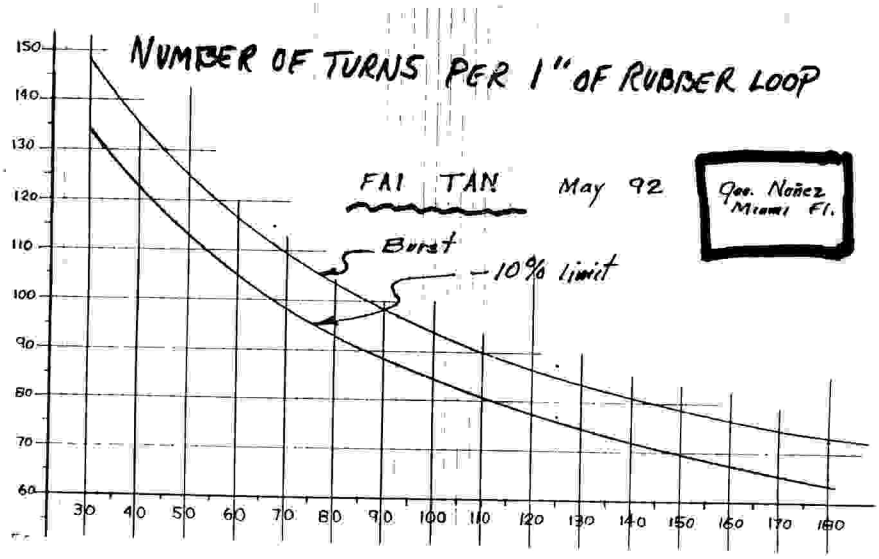
FITS OF DEPRESSION? Losing your memory? Getting a divorce? Feeling ill? Kids disappointing you? Drinking too much? Wife on your case?? ONLY ONE THING TO DO: Build a model airplane, trim it out,get together with pals and forget it all.

)) MODEL WGT. vs % OF RUBBER WGT., by Burr Stanton ((

The late Burr Stanton, Editor of the IHMARC NL, compiled data from **Winning Indoor Designs** for this chart. His conclusion was: the lighter the model the greater the % of rubber.. the greater % of rubber to model weight the higher the flying time. He felt fliers worry to much about rubber size & length & not enough about weight.

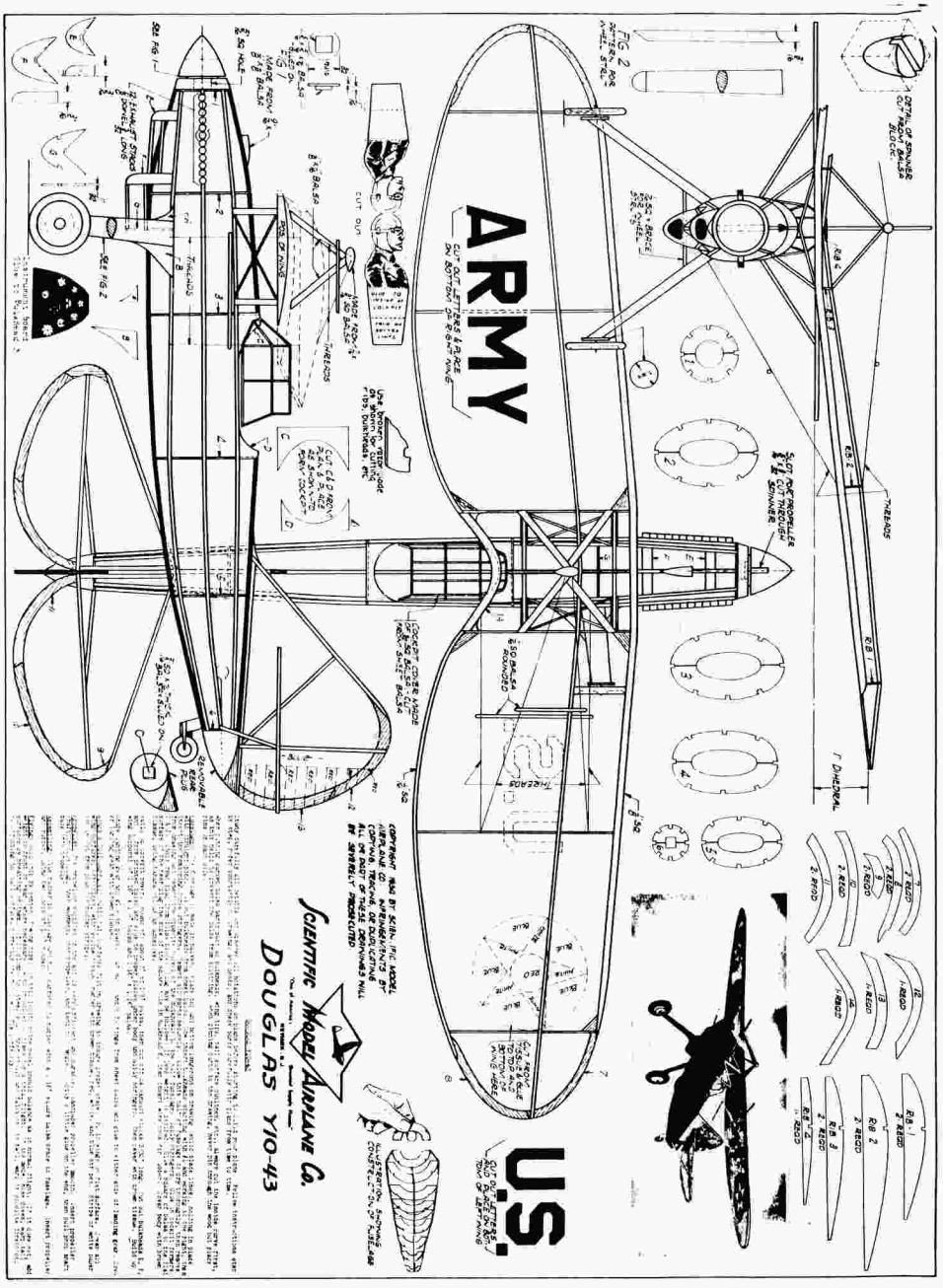


F/F1



(13)

Here is one of those SCIENTIFIC planes you read about on page 9...the FAC postal contest. They were originally all 20" span and sold for 50¢. Very light and good flyers, they make good FAC Scale models. In addition to this Douglas Observation there are many fascinating others. GOLDEN AGE REPRODUCTIONS has the full line. See page 11 for their $ 2.50 catalog



NEWS FLASH - POLAND WINS F1D INDOOR, USA SECOND

FROM H. HAUPT - EL TORBELLINO

F1D World Indoor Champs 1992:
Via a late night phone call to a half awake listner, reported to me third hand, we have the results as follows.

Individual Standings -

(1) S. Kujawa (Poland)	85:28
(2) Rene Butty (Swiss)	80:33
(3) Cezar Banks (USA)	78:14
(4) Richard Doug (USA)	78:14
(15) L. Louka (USA)	65:--

Team Standings -
(1) Poland
(2) USA
(3) Germany

Times are approximate, names are correct, except for maybe the spelling. Rene visited one of our club meetings in 1988. Look for more info when Cezar gets back from Europe.

America's Endangered Historic Places (14)

• *West Baden Springs Hotel—West Baden Springs, Ind.* Now vacant and in need of upkeep, this opulent hot-springs resort was once a retreat for the flamboyant Diamond Jim Brady and later the gangster Al Capone. Its steel-and-glass dome was unequaled until Houston built its Astrodome. A buyer is needed to restore it.

For further information, write to: National Trust for Historic Preservation, Dept. P, Box 11, 1785 Massachusetts Ave., N.W., Washington, D.C. 20036.

NOW, HERE'S SOMETHING FOR AMA TO PUT A FEW BUCKS INTO!.. WOULD MAKE A GREAT RETIREMENT HOME FOR OLD INDOOR MODELERS

ATTN. JIM McNEIL

WANTS: S.O.S. Gil Coughlin is trying to complete his set of Comet 5¢ (Nickle) kit plans..He only needs the Cessna C-34. Send it to Doc. S.O.S- Jim Cardin needs 3-views and any other info for the Menasco powered Fleet Biplane, and a copy, from April 1986 "Model Builder" of the plan for the Farman Sport. 27 Turnpaugh Trail Peru, IN, 46970 Can anyone HELP?

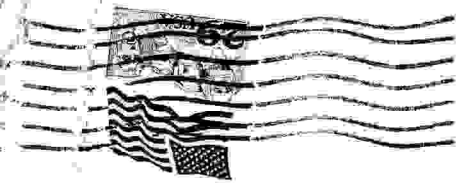
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MARCH 7. MIAMA LOCAL MEET #5 TILE WAREHOUSE
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APRIL 24,25. WORLD INTER-GNATS PISTACHIO PROXY MEET, AND FART VI. YOUTH FAIR,Miami.Cat.I
MAY 15,16. Last MIAMA Fla. State Indoor Meet #6 MacDill AFB,Tampa.
May 30. Last MIAMA local Meet #6 Tile Warehouse. Aug. 7 Annual Millard Wells ROW Meet.