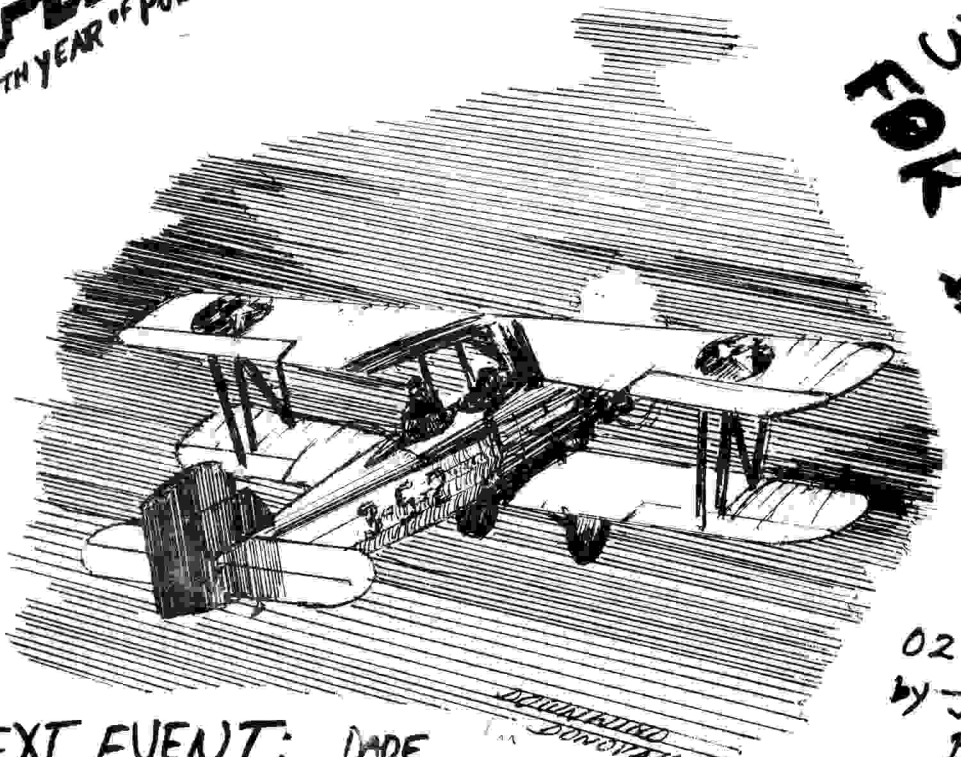
EVER EXPANDING

THE HANGAR PILOT

17TH YEAR OF PUBLICATION

ISSUE 122

- WORLD INTER-GNATS REPORT
- DON MACE PISTACHIO FOKKER DVIII
- JOHNSON CITY PRELIMINARY REPORT
- HEADLY LASA GO PENNUT
- WHAT HAPPENED TO THE ROW ?
- FF NATS CANCELLED !!



3 CHEERS FOR INDOOR!

OZU-Z by Jerry Bockius

NEXT EUENT: DADE COUNTY YOUTH FAIR - 107 AVE & CORNLUY.
SAT SEPT 3. 9 TO 5 CAT I TIME TRIALS: 23'8"

WHO WAS (IS) THE FLA. STATE 87/88 CHAMP?

BUILD NOW FOR THE NEW SEASON!

"LIKE A LETTER FROM HOME" - WHELAN

(1)



THE HANGAR PILOT

Is published 8 (or 9) times a season for a bunch of middle aged guys who refuse to grow up. MIAMA (Miami Indoor Aircraft Model Association,) AMA Club 986, is one of Two [illegible] active all indoor free flight clubs in AMA. Our Mottos: "It must be fun.", and "Indoor isn't for everyone." For $10.00 a year you will receive all copies. We solicit your contributions since we are always running out of material. Letters, plans, 3-views, articles, gripes, and Money to: Dr. John Martin Pres./Editor. 2180 Tigertail Ave. Miami, Fla. 33133 USA Phone: 305-858-6363 We want to hear from you!!! Send material!!!

THE LAST HOORAH! - MAC DILL MIAMA MEET 5

OK Gang... the last meet of the '87-'88 season. Seven possible winners. Raw nerves, coffee nerves, Pirelli nerves. Wells up front-but not cocky. Mysterious abs ence of 3 potential winners Rich MacEntee has his best meet ever entering 5 events and winning 4 of them. He went from 7th place to 2nd with points from only 3 meets. Millard Wells, with his fine air force intact, holds on to win the Fla. State Championship with a fine final meet point total of 18, and wins in FAC Scale and Manhattan. Doc held 3rd overall with an underwhelming performance. (Boy, I'm exhausted!) Next issue will have a full listing about how all you MIAMA pilots did in this season. There are lotsof awards to be presented and that will be next OCTOBER after the first day of the first meet of the new season. I gotta admit one thing about MIAMA..we have a reputation of giving nice trophies and awards..Not timely, but nice! Plan on being at the awards dinner.

The great thing is all the new guys and gals showing up. Welcome, all you folks. Earl Caton of Tampa, John LeBlanc of Miami, Wayne Triven, Walt Schlesinger, Russ Dorsey, Dick Kelso, Rich Laudati, and any others I missed who were flying, but did not enter...Put your name on the entry list next time. Some are new, and some are old pilots back on the tarmac but welcome, all.

How do these people find out about us? Good stuff to ponder. Bulletin boards in model shops, notices in community papers, college papers, on library boards, Every club should have (1) publicity people, and (2) Site obtaining people. MIAMA has some good ones, but we need more...more sites, more publicity, MORE VOLUNTEERS. HOW ABOUT YOU?

CONGRATULATIONS MILLARD WELLS - FLA. STATE CHAMP!

FINAL MEET 5 MACDILL AFB JUNE 18,19 CD DOC MARTIN

②

PEANUT EVENT

	Model	Scale score	2 best flights		total
1.Rich MacEntee	Cougar	89.0	93.0	90.0 Max	178
2.John Martin Draewiecki can.		87.8	73.9	79.6	164.5
3.Walt Everson	Waco E	79.2	58.1	75.3	145.9
4.Millard Wells	Eastbourne	78	59.2	62.1	139
X.Walt Everson	Vagabond	72.5	58.0	70.6	136.8
X.Millard Wells	Nieuport II	92.5	42	43	132.5
5.Carl Hedley	LASA 60	79.2	50.3	50.3	129.5
X .M. Wells	Wee Bee	64	147	122 Max	128
X.M.Wells	HowARD Pete	87.2	40.4	41.1	127.9
X.Carl Hedley	Farman 400	78.4	43.9	43.8	122.2
6.Dick Kelso	Fairchild 24	68.4	18		87
7.W. Schlesinger	Corbin Ace	78.2	5.1	5.8	83.5

IS IN PLAN THIS ISSUE

FAC SCALE RETIRED/2 WINS

		SCALE	BEST FLY	
1.Millard Wells	Waco E	69	62.8	131.8
2.George LefflerHellcat		59	67	126
3.John Martin	Martin MO-1	70.5	47.3	117.8
4.Dick Kelso	Stinson Reliant	58	56	114
5. W. Schlesinger	Chipmonk	61	10	71

EASY B:

1.Rich MacEntee	9:09
2.Tony Becker	9:07
3.Millard Wells	8:03
4.George Leffler	7:01
5.Walt Everson	6:53
6.John LeBlanc	6:21

BOSTONIAN:

1.Rich MacEntee	342.3	(1.13)
2.Millard Wells	244.6	(1.05)
3.George Leffler	227.3	(1.12)
4.Carl Hedley	142.5	(1.05)
5.John Martin	88.0	(1.12)
R. Laudati	No fly	(1.12)

NOVICE PENNY PLANE:

1.Tony Becker	8:30
2.Rich MacEntee	7:25
3.W.Everson	7:06
4.George Leffler	6:59
5.John Martin	5:25
6.Carl Hedley	4:21
7.Millard Wells	4:14

GLIDER:

Wayne Triven 55.5

FEDERATION ROG:

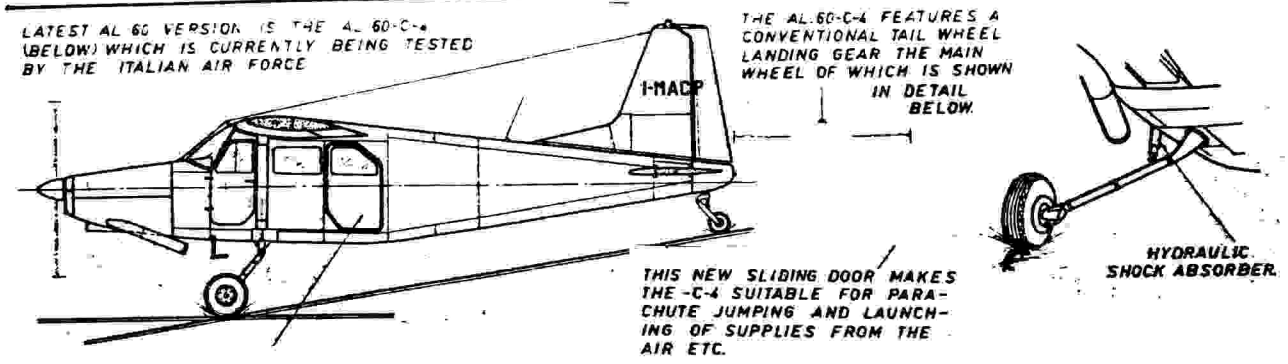
1.Rich MacEntee	3:50
2.George Leffler	3:49
3.Tony Becker	3:41
4.John Martin	1:48

MANHATTAN CABIN:

1. Millard Wells	5:29
2.Walt Everson	1:38

Regular PENNY PLANE

John LeBlanc 4:31



(3) FINAL Results

FID INDOOR WORLD CHAMPS 1988

JOHNSON CITY - TEAM STANDINGS

WORLD CHAMP.- JIM RICHMOND USA 86:06

	Country		TEAM SCORE
1	UNITED STATES OF AMERICA	Team Manager Robert Randolph	
		Cezar Banks	83:49
		Bud Romak	69:24
		Steve Brown	72:16
			225:29
2	CANADA	Team Manager James Moseley	
		Ronald Higgs	71:45
		Mike Thomas	73:05
		Jack McGillivray	78:59
			223:49
3	SWITZERLAND	Team Manager Thomas Urban	
		Peter Keller	72:38
		Dieter Siebenmann	70:01
		Rene Butty	73:32
			216:11
4	POLAND	Team Manager Sylwester Kujawa	
		Sylwester Kujawa	75:08
		Edward Ciapala	71:51
		Ryszard Czechowski	64:39
			211:38
5	HUNGARY	Team Manager Andras Ree	
		Dezso Orsovai	70:01
		Andras Ree	67:20
		Laszlo Ree	72:41
			210:02
6	YUGOSLAVIA	Team Manager Vilim Kmoch	
		Oton Velunsek	70:31
		Iztok Zagar	69:04
		Milan Mastnak	64:21
			203:56

TEAM STANDINGS

(4)

	Country			
(7)	FINLAND	Team Manager Kari Heikkala		
		Leif Englund		70:54
		Harro Erofejeff		58:24
		Pentti Nore		72:10
				201:28
(8)	FRANCE	Team Manager Jacques Valery		
		Robert Champion		62:11
		Guy Cognet		59:15
		Bernard Trachez		63:48
				185:14
(9)	NETHERLANDS	Team Manager Hank de Kat		
		Thedo Andre		75:42
		Edmund Liem		66:16
				141:58
(10)	UNITED KINGDOM	Team Manager Reginald Parham		
		Reginald Parham		67:55
		Laurie Barr		68:40
				136:35
(11)	JAPAN	Team Manager Shigeyoshi Nonaka		
		Shigeyoshi Nonaka		63:42
		Hideyo Enomoto		61:24
				125:06
(12)	CZECHOSLOVAKIA			
		Jiri Kalina		72:53
(13)	ARGENTINA			
		Eduardo Molfino		49:27

NEWS FLASH 7/20/88 AMA OUTDOOR FREE FLIGHT NATS CANCELLED!

INTER-GNATS

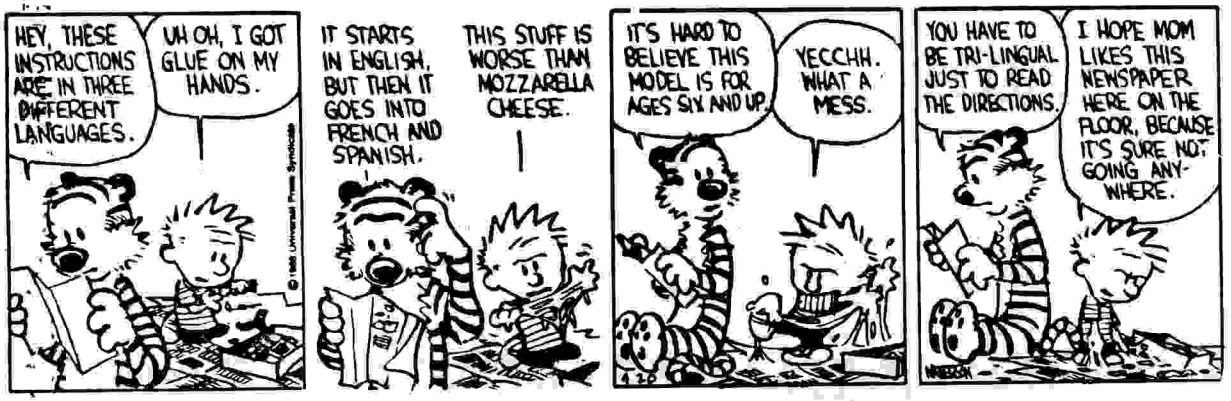
PROXY, ANYONE?

The 6th MIAMA PISTACHIO INTER_GNATS on May 21,22 was preceeded by some nice local publicity. A proxy meet has got to last at least two days to do justice to the entries. A one day meet is much too rushed. We had 32 planes from 5 different countries. Proxy pilots Arak, Wells, Slater,Hedley, Everson,Doc et. al. got in some good flights for their builders. Grey Bates got some good B & W photos, and Arak filmed Inter-Gnats II.

No new records this year. Four Ridotto models, including last years record Republic jet (97 mm) by Aronstein failed to make 30 seconds. All efforts to get something smaller than 3 & 3/16" span seem to just do barrel rolls and dork in after 10 seconds. Could there be a limit to this "smallest scale model" madness?

Certain noteworthy models- The Bleriot 25 Canard by Mark Allison was beautifully done from modified Bill Hannan plans. Only 1.4 grams. Mark built up his pusher prop from balsa, mylar, and the wing feathers of his pet parakeets. It worked for a 1:32 flight and first in Cat.I First in Cat.II was the Lacey M-10 of Don DeLoach of Dallas,Texas. It had a hand carved prop from a block 4" x 3/8" x 7/16". It had a nice air-brushed finish and was powered with a 15" loop of .025 that could take 2000 turns.
Some tackled some really TOUGH subjects. Juergen Kortenbach had a twin engined turbo prop (A first), and a Sky Crane helicopter. Charles Slater had TWO helicopters, and Kevin Smith had limited success with his pretty, but tough to trim BD-5. It sure is good to see these efforts instead of all those Cougars, Laceys, and Fikes. Another toughy was Nick Peppiat's Bonzo. Beautifully built but heavy, it crashed on flight #1 and Millard took it home and rebuilt it. Another interesting model was Dave Robelen's PT-19. Great details and color, it was all balsa with a monocoque fuselage, and sported a huge prop hand carved from a block 4 3/8"x 3/8"x 5/8".
Fast short flights that really needed more room than our 27' gym. Winners will get their awards next Oct. when MIAMA has its annual awards banquet.

Calvin and Hobbes



MAMA INTER-CNATS PROXY #6

Catagory I (2 grams or less)

Builder, plane, country	Wt.	Scale rank	Best 2 flights		flight rank	Total
1.Mark Allison, Bleriot Canard, USA	1	1:14.4	1:32		2	3
2.Mike Arak, Alco Sport, USA	1.3gm.	6	1:20.7	1:32.2	1	7
3.Jiro Sugimoto, Dorn, Komet, Japan	1.2Gm.	4	1:00	1:03	5	9
4.Juergen Kortenbach, Can., Sky Crane	1.4gm	3	26.1	25.5	10	13
5.Al Guenther, J-3 Cub, Swiss	1.3 gm	4	29.5	31.1	9	13
6.Millard Wells, Huntington, USA	1.75gm.	5	59.2	1:01	8	13
7J. Kortenbach, Bleriot IX, Canada	1.2gm	2	43 one flight		12	14
8.Dave Aronstein.ANT-25 USA	1.0gm.	11	1:05	1:24	3	14
9.Butch Hadland H.P Sayers England	1.0	8	46	46.1	7	15
10.Walt Everson, Found, USA	1.1gm.	7	41.4	56.0	9	16
11.Dave Aronstein Ford Tri USA	1.0 gm.	12	54.3	52.0	6	18
12. " " " Republic Jet	1.1gm	11	22.0	28.7	10	21
13. John Martin Boxmo.th USA	0.8 gm.	13	20.0	18,0	13	26

Catagory 11 (2 to 3 Grams)

1.Don DeLoach Lacey USA	2.3gm.	3	1:05	51.1	1	4
2.Kevin Smith BD-5 USA	2.2 gm.	2	31.0	17.0	7	9
3. Millard Wells Caudron USA	2.5	5	40.2	40.0	4	9
4.Charles Slater Sky Hawk Heli, USA	2.2	1	18.8	9.0	9	10
4.Millard Wells Andreason	2.75	7	38.	48	3	10
6. " " " Waco E	2.5	6	34.4	34.3	5	11
7. " " " Wee Bee	2.0	9	46.0	48.0	2	11
8. Nancy Beitz DH 6 USA	2.8	4	24.0	27,0	8	12
9.Doc Martin Slabatnig USA	2.1	8	26.4	32.8	6	14
10.Ted Kowalczyk Elias Air. USA	2.1	10	9.0	8.6	10	20

Catagory III (Over 3 Grams)

1.Millard Wells Fokker tripe USA	3.1gm	5	45.4	43.9	1	6
2.J. Sugimoto SK-3 racer Japan	4.3	1	23.2	23.2	6	7
3.Millard Wells SE-5 USA	3.1	6	30.0	31.8	2	8
4.Nick Peppiat Bonzo racer England	4.2	2	22.5	23.8	7	9
5.Doc Martin Moboussin PMX USA	3.2	6	30.1	26.0	3	9
7.Ted Kowalczyk Ponnier racer USA	3.6	7	24.0	27.0	5	12
6.M.Wells proxy PT-19 trainer ✕	3.3	3	17.8	16.8	8	11
8. Dave Linstrum Hosler racer USA	4.5	8	25.4	25.8	4	12
9.Doc Martin Dornier 212 USA	3.2	4	14.0	14.7	9	13

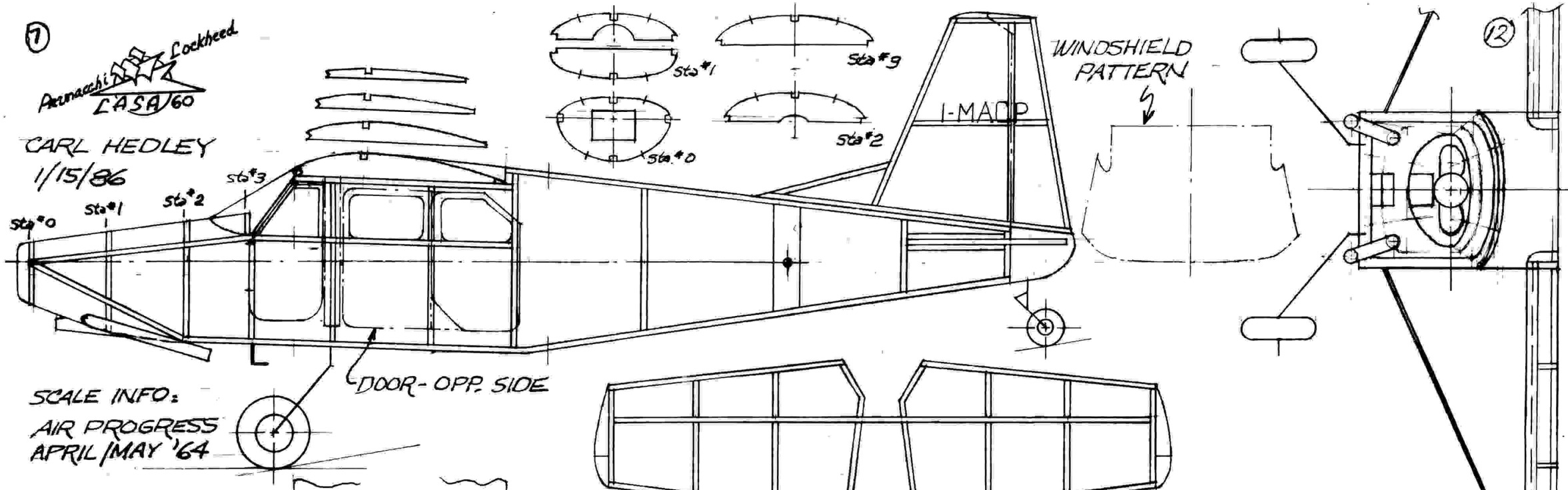
✕ DAVE ROBELEN, VIRGINIA USA

THANKS, BILL HANMAN FOR PEANUT + PISTACHIO VOLUMES USED FOR PRIZES.

(7)

Aermacchi Lockheed
LASA 60

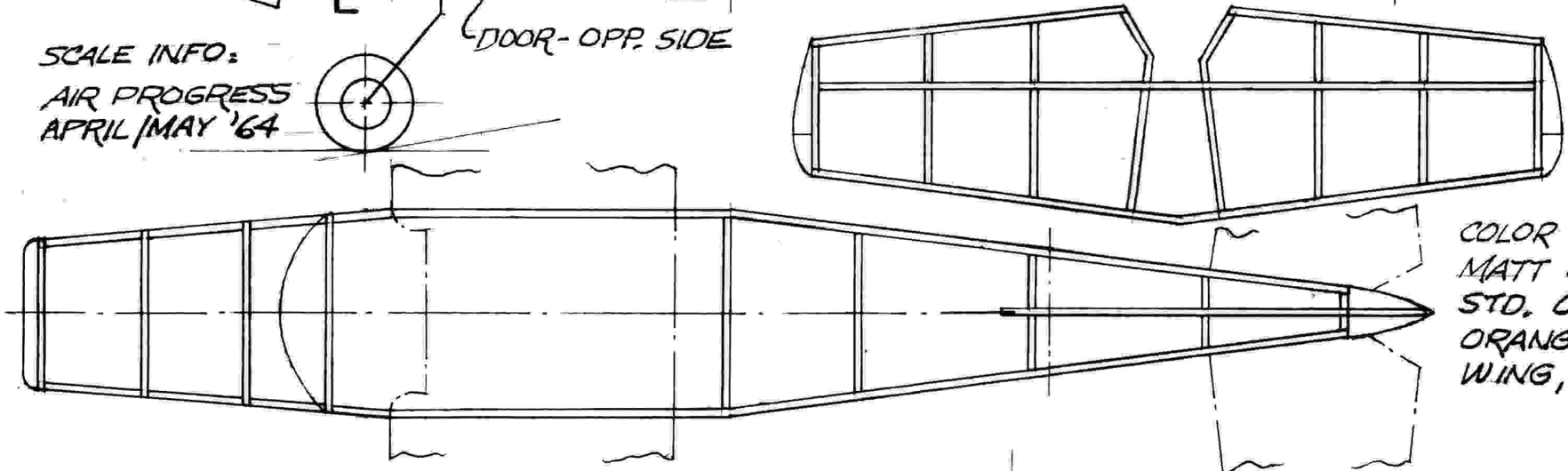
CARL HEDLEY
1/15/86



SCALE INFO:
AIR PROGRESS
APRIL/MAY '64

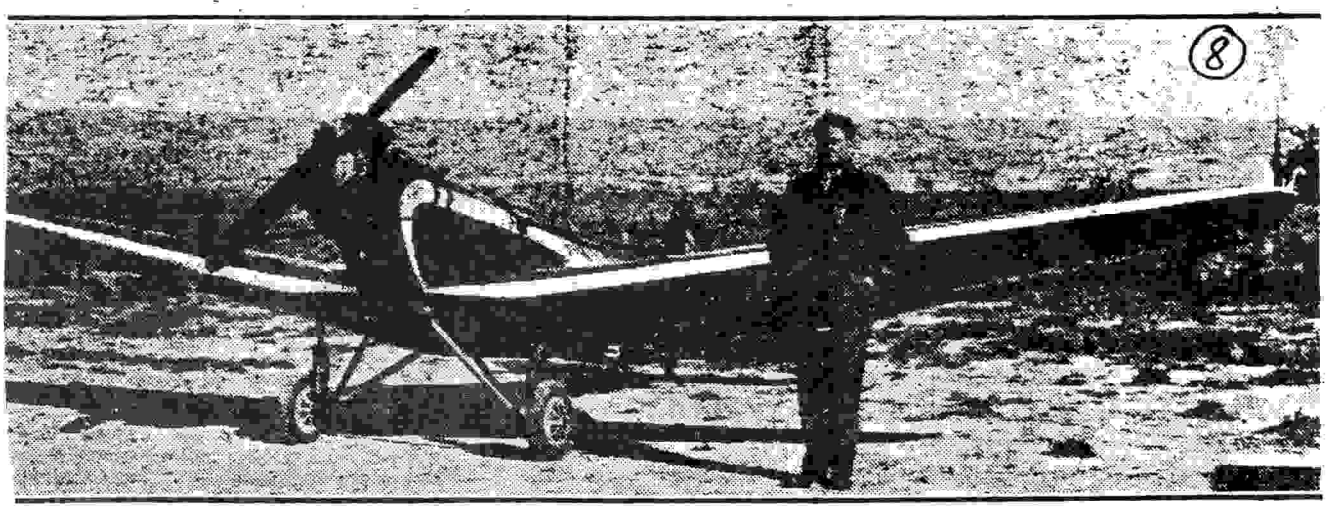
WINDSHIELD PATTERN

(12)

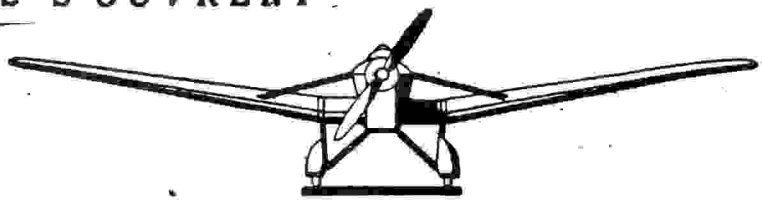


COLOR SCHEME:
MATT GREEN - BROWN ARMY
STD. OVERALL, BLACK LETTERING
ORANGE DAY GLOW TIPS ON
WING, STAB & RUDDER

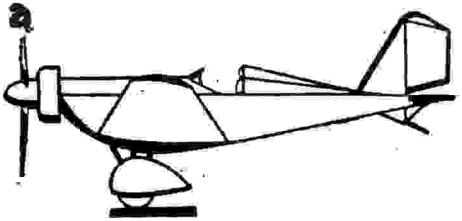




Le Monoplace de Sport-Dupuy D-40

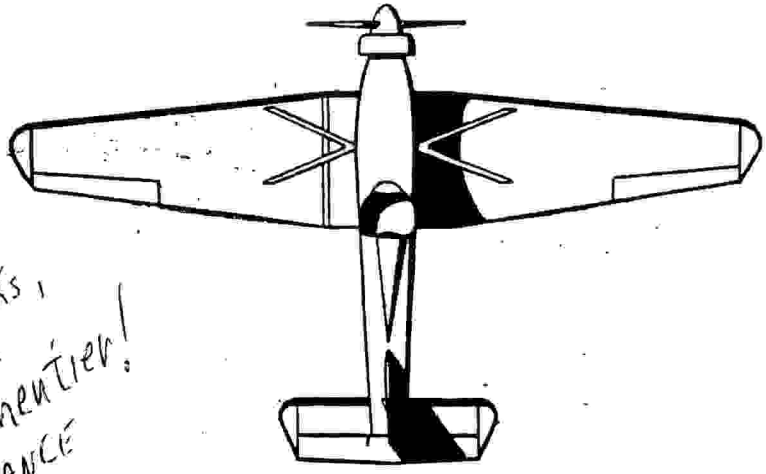


Avion de tourisme et d'entraînement à moteur Salmson 40 CV ou Anzani 45 CV



How about this low wing for scale dihedral?

Nous avons déjà eu l'occasion de présenter, en 1924, l'une des productions de Roger Dupuy : le petit monoplan Anzani 25 CV qui participa au premier Tour de France des Avionnettes organisé par l'A.F.A. et Les Ailes *et remporta la première étape, Paris-Clermont, devant le Farman du regretté Drouhin et le Blériot de Rabatel. Cet appareil portait alors le nom de Pierre Carmier, le commanditaire et ami de Roger Dupuy. Une série d'ennuis de graissage l'empêchèrent de continuer, tandis qu'un départ « à l'américaine », à 100 mètres des hangars, remettait le constructeur dans le rang pour plusieurs années.*



Thanks, Alain Parmentier! FRANCE

(9)

MACE MODEL AIRCRAFT CO.
359 S. 119th EastAve.
Tulso, OK 74128
(918)437-5490
Send $2.00 for Catalog

Another immaculate plan contributed to HANGAR PILOT. His company is stocking some exciting quality kits, supplies, plans, bits,and books. Try "em.

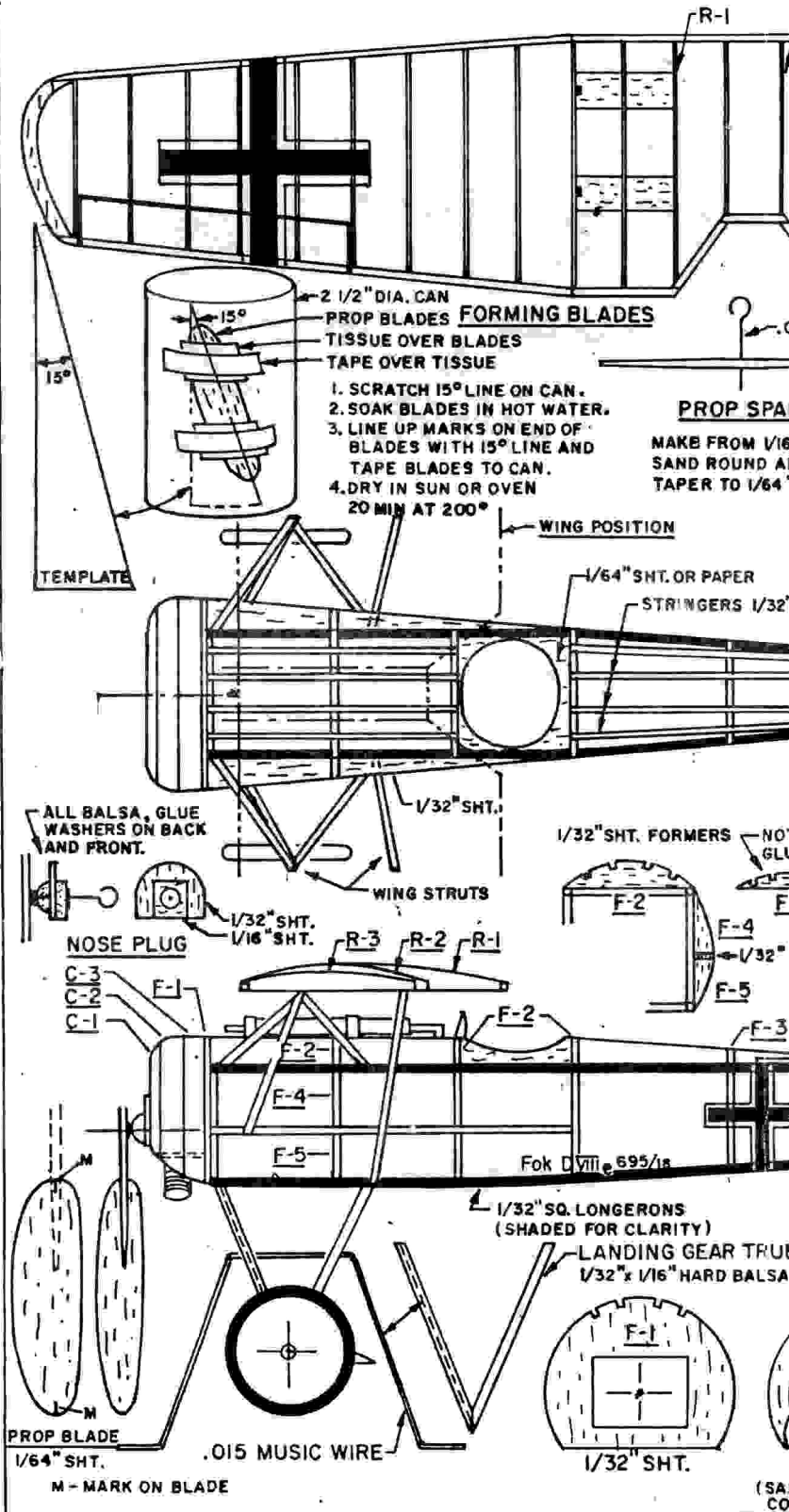
THANKS, DON MACE.

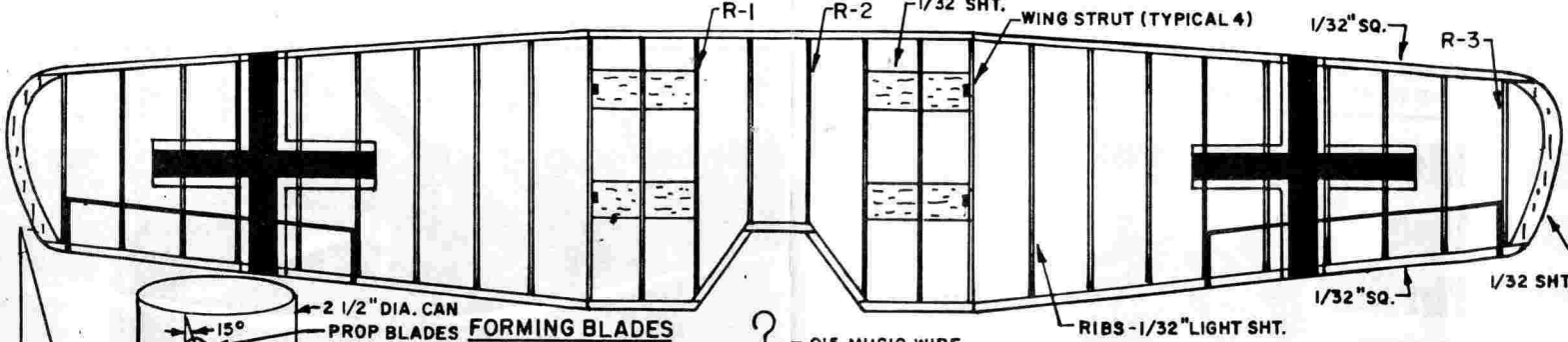
A word of warning about the DVIII. Like the Storch it looks so great everyone wants to build it, but, beware..We've seen very few that flew well. It is in the class of the Farman Postale,the Davis DA-2A,the Spirit of St. Louis, and the Bonzo. Some guys get these flying but most don't. Let us know of your success or lack of it.

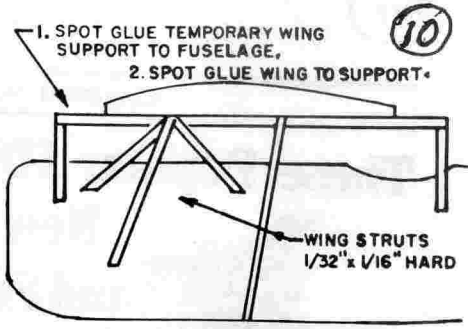
Make the rubber opening in the nose a lot larger, and consider a non-scale enlarged rudder. Go for it!

(Make the whole cowl removable at F-1)

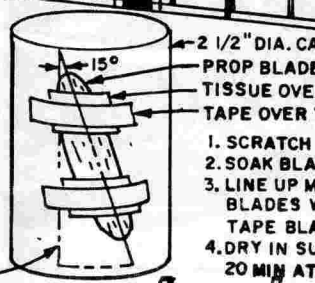
IT should weigh about 2-3 gms so try a 9" loop of .040→45 FAI rubber





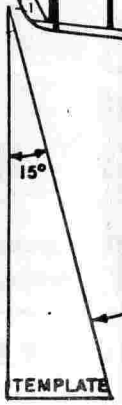


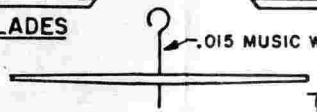
SUGGESTED WING MOUNTING
AFTER WING STRUTS GLUED IN PLACE, REMOVE SUPPORT WITH THINNER.



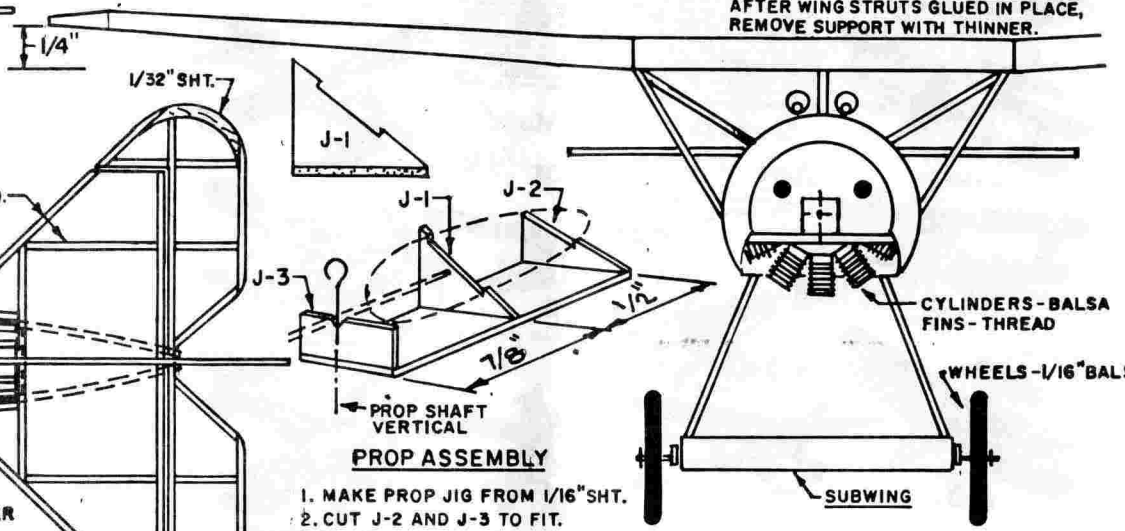
FORMING BLADES

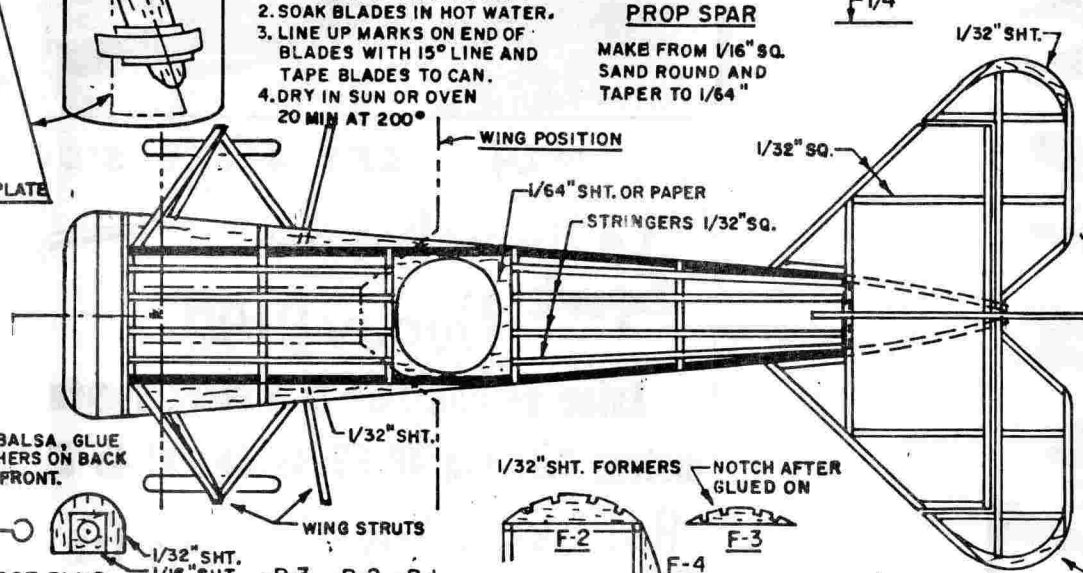
1. SCRATCH 15° LINE ON CAN.
2. SOAK BLADES IN HOT WATER.
3. LINE UP MARKS ON END OF BLADES WITH 15° LINE AND TAPE BLADES TO CAN.
4. DRY IN SUN OR OVEN 20 MIN AT 200°





PROP SPAR
MAKE FROM 1/16" SQ. SAND ROUND AND TAPER TO 1/64"



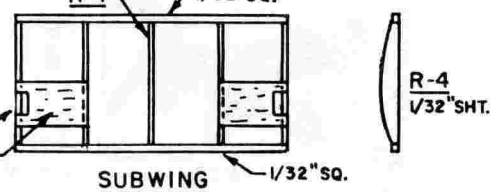


PROP ASSEMBLY

1. MAKE PROP JIG FROM 1/16"SHT.
2. CUT J-2 AND J-3 TO FIT.
3. PLACE BLADE IN JIG.
4. LIGHTLY GLUE SPAR TO BLADE.
5. REPEAT FOR OTHER BLADE.

FOR CONTROL HINGES USE THIN COPPER WIRE FROM ELECT. CORD.

NOSE PLUG



SUBWING

FORMING RUDDER

1. CUT FORM FROM 1/16" SHEET OR CARDBOARD. EITHER TAPE PLASTIC WRAP TO FORM AS SHOWN OR WAX FORM.
2. SOAK TWO 1/64" x 1/32" x 3" LONG STRIPS IN HOT WATER.
3. GLUE STRIPS TOGETHER WITH WHITE GLUE AND TAPE TO FORM.
4. LET GLUE DRY AND REMOVE.

NOTES

1. USE LIGHT BALSA EXCEPT FOR STRUTS.
2. COVER WITH LIGHT JAP TISSUE, ALCOHOL SHRINK, 1 COAT THIN NITRATE DOPE.
3. COLOR - RED EXCEPT WHITE RUDDER, AND BLACK CROSSES.

DOCUMENTATION: "SCALE AIRCRAFT DRAWINGS VOL. I WWI"

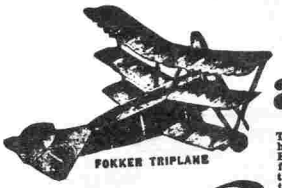
MACE MODEL AIRCRAFT CO.
TULSA, OKLA.

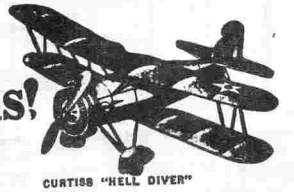
Fokker DVIII

1918 GERMAN FIGHTER
8" WINGSPAN
PISTACHIO SCALE
DESIGNED & DRAWN APR. 1988
BY DON MACE

(11)

These Popular IDEAL Models give you New Building and Flying Thrills!


FOKKER TRIPLANE


CURTISS "HELL DIVER"

These are the famous "Ideal-O-Plane" Flying Models that have been built by thousands of enthusiastic model fans. Every design has been tested, corrected and perfected before it was put out—the result is the most perfect Models that can be made in this type of construction. Each Kit contains everything needed to build the entire Model. All fast parts are clearly stamped on sheet balsa ready to cut out. Wire parts fully formed; colored Jap tissue, balsa strips, bamboo, smooth hardwood wheels, live rubber, cement and a full size three-view Plan with full and detailed instructions. The easiest Model of this type to construct. Look over these 12 fine designs. Pick the ones you want to build and send along your order now.


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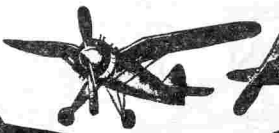

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12 and 15 in. Flying Models

Any 2 KITS for 50c

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(NO STAMPS, PLEASE)


BOEING FIGHTER


POLISH FIGHTER

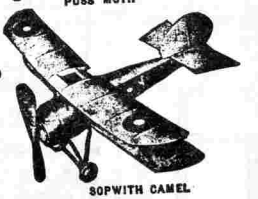

PUSS MOTH

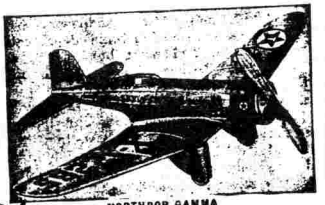

HEATH PARASOL


BRITISH S. E. 5


MONOCOUPE


CURTISS SPARROW HAWK


SOPWITH CAMEL


NORTHROP GAMMA
16 in. "Tru-bild" Model



Cut Your Balsa, Cardboard, etc. with this IDEAL "Tru-Cut" Knife!

The first practical model making knife; handiest tool you ever saw! 7¼ in. long, just like a pen-holder, with razor-sharp, spring-steel blade, which can be sharpened repeatedly. Protector included to fit over blade when not in use.
Price 10c

(If ordered alone, 3c postage. If ordered with above Kits, no extra postage).

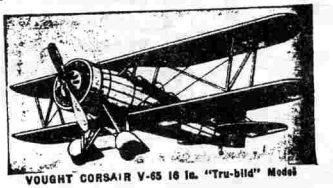
Tru-bild

TRADE MARK REG U.S. PAT. OFF.

Takes the hard work out of Model Making

Build your Model right on the "Tru-bild" Plan, using the patented jigs, or moulds, furnished with every "Tru-bild" Kit. Every operation clearly shown—every part true and in perfect alignment—no more broken parts and twisted bodies—saves time, hard work and makes a perfect Model.

Get one of these big, 16 in. "Tru-bild" Models—here are four popular planes—and you'll be amazed how quickly and easily you can build it. "Tru-bild" Kits contain everything required and full instructions for using the "Tru-bild" Plan.


VOUGHT CORSAIR V-65 16 in. "Tru-bild" Model


CURTISS CYCLONE HAWK 16 in. "Tru-bild" Model


BELLANCA MONOPLANE 16 in. "Tru-bild" Model

"Tru-bild" Kits 50c EACH

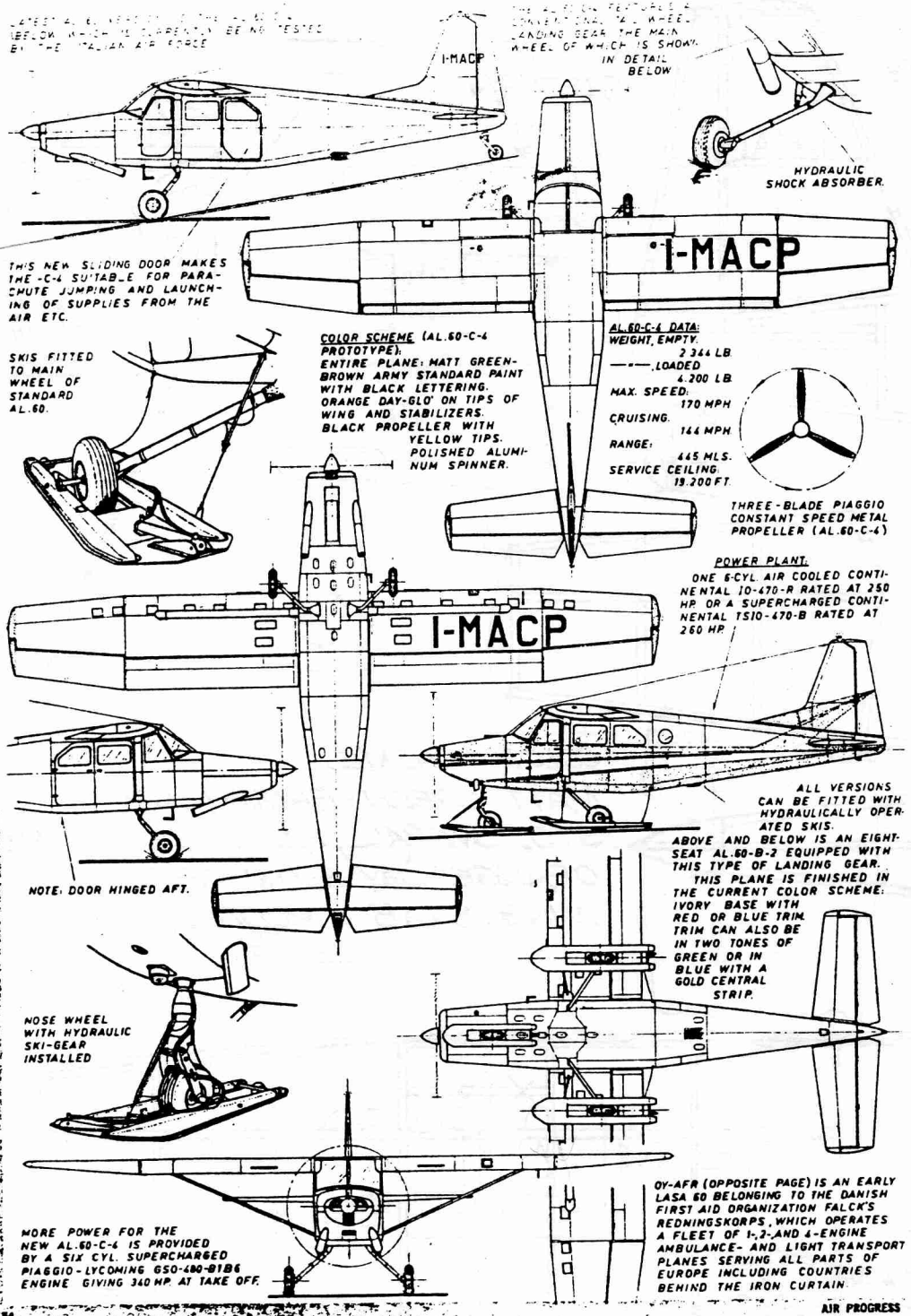
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(No Stamps, Please)

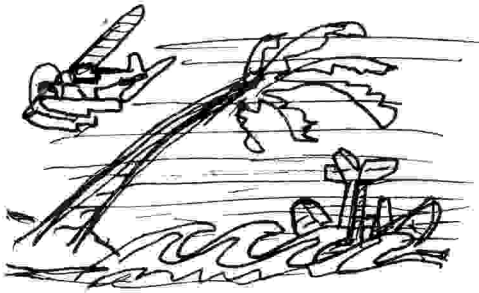
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* I HAVE THIS GAMMA PLAN - DOC


I-MACP
HYDRAULIC SHOCK ABSORBER.
THIS NEW SLIDING DOOR MAKES THE -C-4 SUITABLE FOR PARACHUTE JUMPING AND LAUNCHING OF SUPPLIES FROM THE AIR ETC.
SKIS FITTED TO MAIN WHEEL OF STANDARD AL.60.
COLOR SCHEME (AL.60-C-4 PROTOTYPE): ENTIRE PLANE: MATT GREEN-BROWN ARMY STANDARD PAINT WITH BLACK LETTERING. ORANGE DAY-GLO ON TIPS OF WING AND STABILIZERS. BLACK PROPELLER WITH YELLOW TIPS. POLISHED ALUMINUM SPINNER.
AL.60-C-4 DATA:
WEIGHT, EMPTY: 2 344 LB
—·—·—.LOADED 4.200 LB
MAX. SPEED: 170 MPH
CRUISING: 144 MPH
RANGE: 445 MLS.
SERVICE CEILING: 19.200 FT.
THREE-BLADE PIAGGIO CONSTANT SPEED METAL PROPELLER (AL.60-C-4)
POWER PLANT:
ONE 6-CYL. AIR COOLED CONTINENTAL 10-470-R RATED AT 250 HP. OR A SUPERCHARGED CONTINENTAL TSIO-470-B RATED AT 260 HP.
ALL VERSIONS CAN BE FITTED WITH HYDRAULICALLY OPERATED SKIS.
ABOVE AND BELOW IS AN EIGHT-SEAT AL.60-B-2 EQUIPPED WITH THIS TYPE OF LANDING GEAR.
THIS PLANE IS FINISHED IN THE CURRENT COLOR SCHEME: IVORY BASE WITH RED OR BLUE TRIM. TRIM CAN ALSO BE IN TWO TONES OF GREEN OR IN BLUE WITH A GOLD CENTRAL STRIP.
NOTE: DOOR HINGED AFT.
NOSE WHEEL WITH HYDRAULIC SKI-GEAR INSTALLED
MORE POWER FOR THE NEW AL.60-C-4 IS PROVIDED BY A SIX CYL. SUPERCHARGED PIAGGIO-LYCOMING GSO-480-B1B6 ENGINE GIVING 340 HP. AT TAKE OFF.
OY-AFR (OPPOSITE PAGE) IS AN EARLY LASA 60 BELONGING TO THE DANISH FIRST AID ORGANIZATION FALCK'S REDNINGSKORPS, WHICH OPERATES A FLEET OF 1-, 2-, AND 4-ENGINE AMBULANCE- AND LIGHT TRANSPORT PLANES SERVING ALL PARTS OF EUROPE INCLUDING COUNTRIES BEHIND THE IRON CURTAIN.



WIND BLOWS ROW MEET OUT TO SEA (14)

Pre meet late weather reports on Fri. confirmed why we like indoor meets..High wind and dubious weather conditions predicted. A small group of pilots defied the reports to show up at Islamorada.(Others were smarter and stayed at home). Optomist award goes to Marcos Fernandez and son who drove down in rain on Sunday.!

First light, 6:15: 10 to 15 MPH "breeze." by 10:00, 15- 20 MPH. By noon, boom!..Marine severe storm warnings all day and Sunday too. Gu sts to 60 MPH..tornados touch down in Venice,Boca, Okeechobee, and Tavernier. A very limited flying session, and then a retreat to Millard and Jean's home for refuge. Here's to those who made the try, and to the Wells for their buffet, and award certificates .

Only four planes took off the water, and most dorked back in. Wells had the most practical models and several beat the wind. Dave Linstrum & Doc Martin did an ROW. Mickey Fletcher had high time, followed by Linstrum, Charles Slater, Doc, Nancy Beitz and Carl Hedley. We'll do this again. Millards successes were a Flyline Kit DH Beaver with Noonan floats. (Weight 36 gms., 8" Peck plastic prop, 2 loops of 3/16 rubber 24" long.) The other was the Noonan Tern -18" span 20 grams, 7" prop. 1 loop 3/16. Thanks also to Grey Bates for photographing the event.

MEET RATING - SOCIAL ★★★★ FLYING ½★

Calvin and Hobbes



BUILD + FLY A CAT I MODEL AT THE YOUTH FAIR ON SAT., SEPT 3. CALL 305-858-6363 ON FRI SEPT. 2 TO CONFIRM.

15

INDOOR IS ALIVE AND WELL IN JOHNSON CITY

Shades of West Baden...indoor is back and healthy...May 28 to June 4 1988. This is not a formal report, but just your editors view of the meet(s).

I left Friday night and returned Sunday afternoon...10 days of model airplanes,international flyers, old friends, and exciting competition.

In the F1-D World Championship, the USA came back from 11th place on day one to beat out Canada by less than two minutes to win the World Champs. Yes, it was THAT close. Switzerland,Poland, and Hungary were 3,4,& 5. Jim Richmond repeated as World Champ for an unprecedented 3rd time in a row..The F1-D hat trick!! How is it that in all World FAI competition the USA does well ONLY in INDOOR ? 35 minute flights were common and there were a few over 40 minutes. The site met with general approval and many flyers set their personal best.

We criticize the scheduling in several areas..for instance...5 days in a row of flying one type of model (F1-D) is a bit much, even if you fly that type of model (Which I don't). In the sacred atmosphere of these light weight models it was impossible for any pretesting of other indoor types until competition hour...no testing time was scheduled, or available. Any wives present went out of their minds with boredom, and several divorces were narrowly avoided. No one ever feels that there is enough time for his favorite event, but this was rediculous. The scheduling is being reviewed for next years scheduling, and suggestions are solicited NOW..write us.

As an indoor scale man I feel particularly put upon. After having been there for five days, timing and NOT flying, I found, on the sixth day that I was allotted four hours to fly 4 events...AMA Scale,Peanut Scale, Kit Plan Scale, and MIAMA Pistachio Grand Prix....all without a test time !!!! Do you get the feeling that something was wrong? F1-D flyer Eduardo Molfino who was the Argentine team brought 4 peanuts with him from Buenos Aires. He never had enough time to get his Heinkel trimmed for the high ceiling and called the 4 hours allotted for scale:"Criminal" in perfect English. I know we can do better than this. Is it possible, you guys that fly the very light indurance planes, that you have an elitist, and unappreciative attitude toward your fellow indoor flyers? I am not paranoid and I think so. Scale models are the hardest to build, take the longest to build, are the hardest to trim out, are the most easily broken, take the longest to repair and get theleast flying time of any other type of indoor models. I've been silent about this a long time, but no longer. Enough already.

Rich Doig promised to PUT ALL THE RESULTS in the next issue of Indoor News and Views so we can all see our name in print even if we finished 32nd. Bud Tenny is writing it up for Model Aviation so we should all be well informed. By the way, there were 75 scale models..19 AMA, 30 peanut, and 16 pistachio.

INDOOR ISN'T FOR ~~EVERYONE~~ WOMEN !



There were 64 total indoor entrants at last year's Nats in Lincoln, Neb. I predict fewer than that at the 1988 Nats due to the site. There were over 70 entries in Easy B alone at Johnson City. If you flew for less than 11 minutes you were in 35th place or worse. MIAMA's Nancy Beitz got hold of a good piece of Pirelli because her Easy B stayed up over 12 minutes for 6th place. It flew in huge, placid, RIGHT circles against all the traffic and never had a mid-air.

The dwindling supply of good Pirelli is causing a panic, and a world wide search for a new source of power..rubber, that is. A good piece of rubber is absolutely essential for a competative flight. I saw motors with 2 and 3 tied knots in them. You can't throw away a blown motor any more 'cause you'll cause a riot at the trash can. I saw some Chinese rubber (It was red!), and also saw some golf ball rubber from Japan..Dunlop I think. No reports on any of this stuff but when we hear from the old rubber tester Dick Obarski, we'll let you know.

This issue of Hangar Pilot is going to be so big I'll save some of the Johnson City Stuff for the next issue. I've noticed that if these issues are too big you Pilots DO NOT read all the stuff. I KNOW this because a lot of guys will ask me about something that was in the last issue. I feel that if I have too big an issue I strain your attention span. The ideal size for a club bulletin is one that can be read as you walk back from the mail box to the front door, or during a brief visit to the crapper. Any more reading material than that tends to go unread.

NEXT ISSUE - MORE JOHNSON CITY INCLUDING THE FEDERATION ROG CRAZE SWEEPING THE NATION. THE MIAMA/BECKER TEAM CHALLENGE REPORT. "FIVE MINUTES OR BUST!"

LOOK AT YOUR INDOOR MODELS -- PRETTY SAD, HUH? BUILD NOW FOR THE NEW SEASON. MEET I AT MAC DILL OCT 22-23 (TENTATIVE) ALSO BIG AWARDS DINNER W/ PIONEER AVIATOR SPEAKER.

(17)

FROM ED WHITTEN'S NY INDOOR TIMES POBOX 176 WALL ST. STATION NEW YORK NY 10005

SUBSCRIBE YOU INDOOR PILOTS - IT'S GETTING BETTER + BETTER!

CONGRATULATIONS TO NEW YORK FOR YOUR CLOSE, NARROW WIN OVER FLORIDA

SEE YOU SAT. SEPT 3, WITH YOUR RUGGED CAT I MODEL

TONY BECKER sent in (by Federal Express so I'ld get it early) complete Federation R.O.G. Team results ([redacted]). New York State won, of course, over Florida.!!! Tony noted, "It was much fun with 19 contestants. We had 4 single (state) entries. I put their names in a hat to determine their teams by a draw. It was the only way to allow them to fly. I've already asked for permission to have the event next year. Tony Italiano gave tentative approval. The Great State of Florida will again challenge the other states, Canada and England to our 'special event.'

FEDERATION R.O.G. INTERSTATE COMPETITION
U.S.I.C. Johnson City, Tennessee, June 2, 1988

NEW YORK							17:35
Vic Gagliano	3:33	3:59	4:51	3:40	4:18	9:09	
Tom Iacobellis	4:21	4:05	3:40	x	x	8:26	
Joe Nuszer	2:20	2:39	2:51	3:44	3:40	7:24	
FLORIDA							17:17
Dick Obarski	3:45	4:13	4:37	4:10	x	8:50	
Rich MacEntee	3:22	4:00	2:22	4:16	4:11	8:27	
Tony Becker	3:27	4:12	x	x	x	7:39	
Frank Berrera	3:03	3:14	x	x	x	6:17	
Doc Martin	:35	x	x	x	x	:35	
TEXAS							16:00
Jim Clem	3:21	3:49	4:25	4:31	x	8:56	
Tony Sutter	2:59	3:29	3:21	3:35	x	7:04	
PENNSYLVANIA							15:38
Joe Krush	3:56	4:04	3:57	4:42	x	8:46	
Jim Buxton	3:16	3:34	1:07	3:09	3:18	6:52	
Tony D'Alessandro	3:59	:57	x	x	x	4:56	
Stan Fink	2:02	1:55	2:25	2:11	2:05	4:36	
Ron Ganser	x	x	x	x	x	x	
NEW JERSEY - ILLINOIS							14:53
Doug Barber	4:18	4:27	4:03	3:24	4:38	9:05	
Del Ogren	2:23	3:08	2:40	x	x	5:48	
OHIO - MARYLAND							14:10
Chuck Slusarczyk	4:09	3:43	4:26	x	x	8:35	
Pete Staehling	2:50	2:10	2:45	2:34	2:16	5:35	

AN OPPORTUNITY FOR AVIATION BOOK COLLECTORS

BILL RHODE plans to dispose of his entire lifetime collection of 2,800 aviation books. Most of them are rare. (All on indoor model airplanes....hardly.!!)

Write to him....BILL RHODE, 19 Manor Drive, Wayne, NJ 07470.

JOHNSON CITY FEDERATION R.O.G. . .A PLUS

In addition to the cash awards given (highest average time flyers), TONY BECKER awarded JIMBUXTON of the Pennsylvania Team a cash award as the youngest flyer in the event....Congratulations, Jim..!!....And thanks, Tony and Elsie Becker, for coordinating and running the event..!!

MIAMA 1987/88 SEASON POINTS. How did You Do? (18)

PEANUT SCALE

1.Doc Martin	22
2.Rich MacEntee	18
3.Millard Wells	13
4.Charles Slater	11
5.Nancy Beitz	8
6.George Leffler	5
7.Carl Hedley	5
8.Walt Everson	5
9.Dave Linstrum	2
10.Dick Kelso	
11.Bill Criss	1
12.W.Schlesinger	1
13.Don Brimmer	1

BOSTONIAN

1.Rich MacEntee	11
2.Dick Obarski	10
3.Millard Wells	8
4.George Leffler	8
5.Dave Aronstein	6
6.Dave Linstrum	3
7.Doc Martin	3
8.John Tudor	2

EMBRYO

1.George Leffler	9
2.Rich MacEntee	5
3.Dave Linstrum	3
4.Bill Criss	2
5.Don Brimmer	1
6.Dave Aronstein	1
7.Doc Martin	1

PISTACHIO

1.Mike Arak	4
2.Millard Wells	2
3.Nancy Beitz	1
4.Doc Martin	1

GLIDER

Ciesla,Miller,& Triven..1 ea.

FAC SCALE

1.Doc Martin	16
2.Millard Wells	15
3.George Leffler	12
4.John Tudor	6
5.Charles Slater	4
6.Dave Aronstein	4
7.Rich MacEntee	3
8.Nancy Beitz	2
9.W.Schlesinger	2
10.Dick Obarski	2
11.Dave Linstrum	1

ORNITHOPTER

1.Frank Kieser	3
2.Roy White	1

EZB

1.Dick Obarski	23
2.Ed Berton	14
3.Millard Wells	13
4.Charles Slater	10
5.Joe Nuszer	8
6.Gary Underwood	7
7.George Leffler	7
8.Rich MacEntee	7
9.Tony Becker	6
10.Walt Everson	5
11.Frank Kieser	4
12.Pete Andrews	2
13.John LeBlanc	1

MANHATTAN

1.Millard Wells	5
2.Walt Everson	3
3.Tony Becker	2

REGULAR PENNY

1.Joe Nuszer	2
2.Ed Berton	1
3.John LeBlanc	1

FEDERATION ROG

1.Tony Becker	22
2.Frank Barerra	11
3.Millard Wells	10
4.Tom Iacobellis	8
5.Doc Martin	7
6.John Tudor	6
7.Joe Nuszer	5
8.Rich MacEntee	5
9.Dick Obarski	5
10.Mike Arak	4
11.Dave Linstrum	4
12.Carl Hedley	1
13.Walt Everson	1

NOVICE PENNY PLANE

1.Tony Becker	25
2. Charles Slater	19
3. Rich MacEntee	14
4.Walt Everson	13
5.George Leffler	12
6.Ed Berton	12
7. Doc Martin	7
8.Millard Wells	6
9.Gayle Wyman	6
10.Tom Iacobellis	4
11.Mike Arak	4
12.Gary Underwood	3
13Carl Hedley	2
14. Don Brimmer	1

OVERALL POINTS:

1.Millard Wells	70
Florida State Champion	
2.Rich MacEntee	62
3.Doc Martin	59
4.George Leffler	56
5.Tony Becker	51
6.Charles Slater	44
6.Dick Obarski	44

Add yours up!

WAS IT FUN?

WHAT'S HAPPENING: CAT I TIME TRIALS -
SAT SEPT 3 9-5 DADE COUNTY YOUTH FAIR - CALL 305-858-6363 TO CONFIRM
AUG 14 - MELBORNE, FL OUTDOOR FF RECORD TRIALS... A SMALL GROUP OF FF ENTHUSIASTS GATHER TO DO THEIR THING. CALL RON SHARPTON, CD, FOR PARTICULARS 1-904-767-6138. IF YOU STILL LIKE TO CHASE OUTDOOR FF, THIS IS YOUR GANG!
SEPT 3-4 JAXONVILLE - DIST IV CHAMPS FOR FF + CL CALL TERRY RIMERT, CD, 1-904-266-4759
SEPT 18 - SAME STUFF AS AUG. 14 ABOVE
OCT 8-9 - PENSACOLA FL. JIM KLOTH MEMORIAL-GATHERING OF THE TURKEYS
OCT 22-23 - FIRST MIAMA MEET + AWARDS DINNER-MAC DILL (TENT.)
KING ORANGE - INDOOR DEC 29+30 DELTA HANGAR
OUTDOOR - DEC 30/31 + JAN 1 TAMPA

THE HANGAR PILOT

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

MIAMI, FL 331
PM
27 JUL
1988



JIM MILLER
827 YORKHAVEN RD
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