EVERGREEN

THE HANGAR PILOT

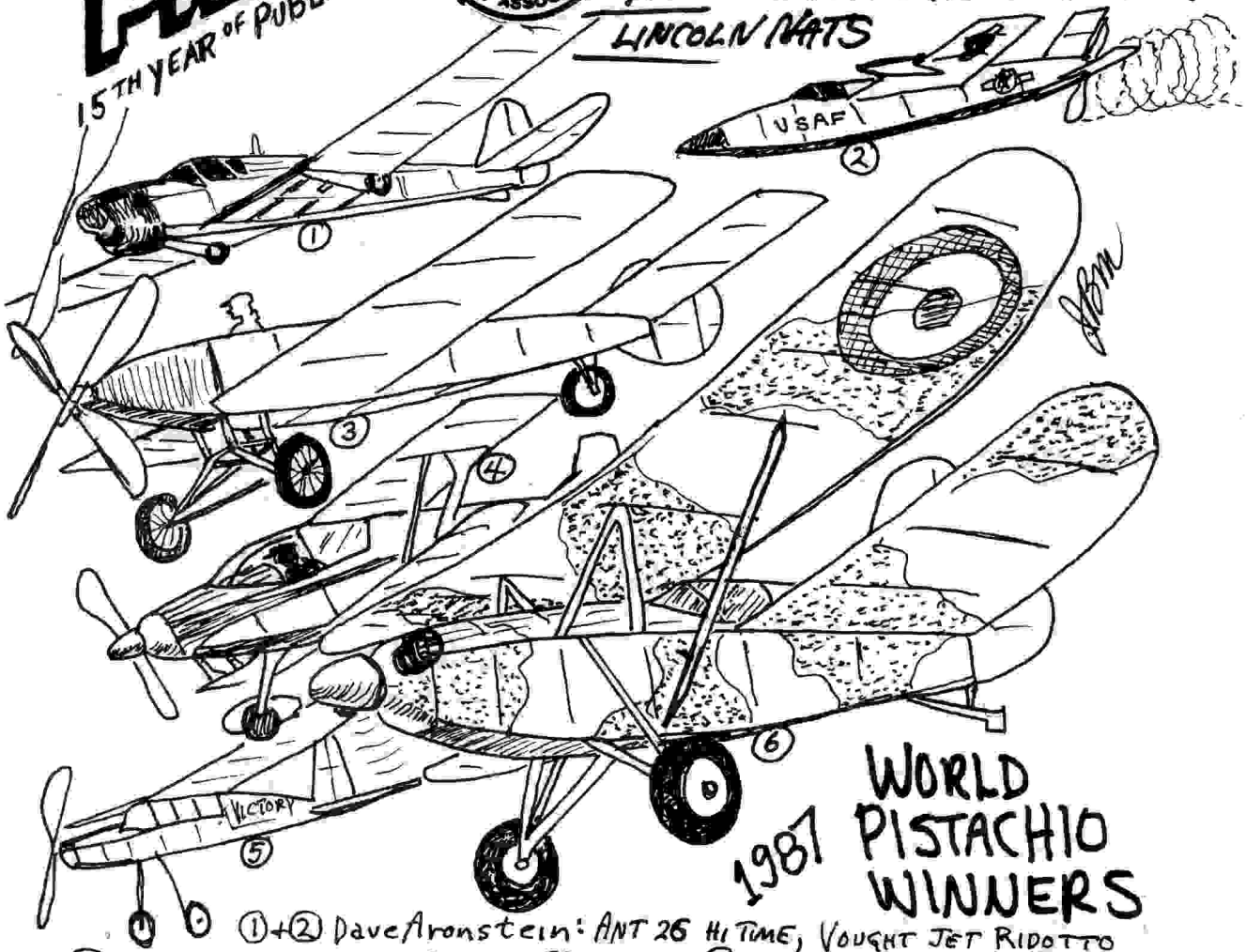
15TH YEAR OF PUBLICATION

ISSUE 116

JUNE/JULY 1987

Shocking World INTERGNATS Results !!! New Records.

News of NFFS NATIONAL MEET LINCOLN NATS



WORLD 1987 PISTACHIO WINNERS

① + ② Dave Aronstein: ANT 26 HI TIME, VOUGHT JET RIDOTTO
③ KEVIN SMITH - 1ST CAT I BLERIOT VII ④ 1ST CAT II PEPPIAT'S BEER CAT
⑤ 1ST MODEL OF MODEL: LONGSTRETH ⑥ 1ST CAT III MARK ALLISON'S FLEA.

(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 the only active all indoor free flight club 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!!!

NEXT INDOOR SEASON STARTS at MAC DILL OCT 17-18

Season number seventeen to see who will be the Florida State indoor champ. Or who will win Easy B, or Bostonian. Who knows? It will be a lot of fun finding out. We have a very ambitious schedule planned . Two day indoor meets, a Rise Off Water contest, The World Proxy Inter-Gnats for Pistachios,. A Record Trials for indoor Cat I, a KING ORANGE post Christmas meet, and various fun-flys and unexpected events. During our regular season we keep track of the points you earn in the seven events per contest. At the end of the year awards are made to the Class winners and runners-up. If you like to fly indoor start building now for October. PLenty of activity for all.

This coming season we would like to encourage new flyers.... particularly younger ones, to participate. The new FEDERATION ROG event is a real great event for those with Delta Dart skills. We will fly Flying Aces Scale, AMA Peanut Scale, Bostonian, Indoor Embryo, Easy B, Novice Penny Plane and the new ROG.

There are a lot of people working hard to provide nice places for you to fly, nice evenings for dinner and fellowship, nice accomodations and awards. All they need is YOUR presense. Try to show up as often as you can to show your appreciation to all these planners. Besides... you'll have a lot of FUN !!

SAT AUG 8 9 TO 5 MIAMI YOUTH FAIR

NEW INDOOR SITE CAT I 25' SMOOTH CEILING

CONFIRM - CALL FRI NITE 305-858-6363

MORE WORLD RECORDS SET AT INTER-GNATS (2)

Actually it was INTER-GNATS number five (Not four) as we discovered in an old Hangar Pilot that the first meet was flown at West Baden inJune 1983 . It was won by Mike Arak's Lacey beating out Butch Hadland's similar model by a fraction of a second.. So much for history.

This year's running of the World Inter-Gnats was truly incredible, like an ISUZU auto sale. All tiny scale model fans will be glad to know Mike Arak recorded much of the action on a VHS video cassette and MIAMA is preparing to make this available to other clubs (About 40 Min.) It has already been reviewed by Hannan and Allison to raves (4 stars). I'm telling ABC to fire Ted Koppel and hire Mike if they want to boost their ratings. He captured the spirit of the whole thing with flying, opening boxes, proxy interviews, judging, etc. I'm warning you, though, he got so many good long flights on tape he kind of makes it look easy...it's not. Pistachio is not for every rubber scale modeler, you know.

Catagory I, II, and III continue to produce three different kinds of models, all of them interesting. Ridotto attracts those who like an impossible challange, and for some reason , Jim Longstreth's Korda Victory was the only 'Model of a Model' entered.

The light Cat. I was won by Kevin Smith's Bleriot VII that flew 1:15.6 on its best flight. Five models in this class were timed in well over a minute to earn the Gold Pistachio lapel pin. This includes a fine 1:06.3 by the Eastbourne monoplane of Patty Smith. This was not only her first Pistachio, but it is the first model airplane she ever built !! Pretty amazing, huh? Rich MacEntee's Sky Ryder did 1:30.2 for second and his own "personel best."

For a third year in a row Nick Peppiat's (UK) Beer Cat prevailed in Cat. II with 1:02.4. Charles Slater was second with his Chester Goon that gave him trim problems all day.. Doc Martin's Dornier 212 that had won Cat III the past two years was in third place with Nancy Beitz' Farman Sport Biplane second, and Mark Allison's beautiful Pou Du Ceil in first place. Mark's Flea, in french military camoflage, was a work of art and flew beautifully for Mike Arak. Mike also coaxed two world records out of two Dave Aronstein planes. It is well observed that Dave scoffs at scale points in order to get maximum flying performance from his stark craft. (How about profile outboard engine nacelles on his Ford "trimotor"?) Dave's Vought Crusader jet had a span of 97 mm, (3& 13/16") and managed a flight Of 31.5 sec. to set a new world record for the smallest flying scale model. Doc had a plane equally small, but failed to qualify it by four seconds.

When you check out the results on the next page note the relation of the weight of the model to the flight times. Very significant in most cases. (Cont. next page)

(3) And now the biggest news of all... a new world Pistachio scale endurance record of two minutes twenty one point five (2:21.5) for Aronstein's Russian ANT-25. Here's the data: It was built to the 6 inch overall length rule which gave it's plug-in wings a span of 15 1/2 inches! Still, it weighed just over a gram and had no landing gear,(Retracted). The prop was bent wood 41/8 diam. with blades 5/8 in. wide set a little better than 45 degrees. Power appeared to be FAI in a 16" loop of .038 x .018 . Mike put 2250 turns into this loop. Covering was condensor paper and markings and color were magic marker. Single covered surfaces as our rules allow. Stark it was but there is a mark for all you pilots to shoot for. We fly in a 27 foot gym and it never touched the roof. Yep, we have films of this flight, too.

For particulars on a loan of the video tape write to:

MIKE ARAK
10900 SW 61 Court
Miami, Florida, 33156

MAY 16+17, 1987

FIFTH WORLD INTER-CHATS RESULTS

CATAGORY I (2 Grams or less):

Builder and plane:	WEIGHT	STATIC SCORE	RANK	BEST TWO FLIGHTS		FLIGHT RANK	TOTAL
1. Kevin Smith Bleriot VII	1.5 gm	83.4	3	1:13	1:15.6	4	7
2.Rich MacEntee Skyrider	.08	73.6	6	1:11.1	1:30.2	3	9
3.Doc Martin 14 Bis	1.6	88.0	1	:43.1	:45.0	9	10
4.Millard Wells Huntington	1.2	63.5	10	1:23.3	1:23.7	2	12
5.Mark Allison P. Porter	1.4	84.5	2	31.6	29.7	11	13
6.Doc Martin Luton Minor	1.6	68.4	7	52.6	56.2	6	13
7.Dave Aronstein ANT-25	1.0	51.4	12	1:54.3	2:21.5	1	13
8.Patty Smith Eastbourne Mono	1.2	65.1	9	1:04.2	1:06.3	5	14
9..Al Guenter(Swiss) J-3 Cub	1.2	81.8	4	30.3	31.6	12	16
10.Jiro Sugimoto (Jap.) Dorn.	1.0	50.7	13	49.5	51.8	7	20
11.Millard Wells Wee Bee	1.3	66.5	8	38.2	33.2	10	18
12.Dave Aronstein Ford Trimotor	1.0	49.5	13	50.5	51.8	7	20

CATAGORY II (2 to 3 grams)

1.Nick Peppiatt (UK) Beercat	2.2	79.9	1	50.1	1:02.4	1	2
2.Chas. Slater Goon	2.1	69.0	2	36.9	38.0	2	4
3.Millard Wells Lacey	2.5	68.0	3	32.1	38.0	3	6

CATAGORY III (Over 3 grams)

1.Mark Allison Flea	3.1	88.4	2	41.8	39.2	3	5
2.Nancy Beitz Farman Sport	4.2	79.9	6	50.1	48.5	1	7
3.Doc Martin Dornier 212	3.8	84.0	4	40.0	35.9	4	8
4.S.Takeuchi (Jap.) Smith bipe	9.0	101.0	1	12.0	12.0	9	10
5.M. Wells Fokker Triplane	3.0	74.8	8	46.2	45.9	2	10
6.T. Noshina (Jap.) Andreason	5.5	87.3	3	11.7	16.7	8	11
7. J.Sugimoto (Jap.) SK-3	4.0	80.4	5	18.0	34.0	7	12
8. Wells SE-5	3.5	76.4	7	26.8	34.7	6	13
9. Wells Cessna CR-3	4.0	64.0	9	35.8	35.7	5	14

64 INDOOR ENTRIES!

The reports of the demise of the NATS Indoor events are greatly exaggerated. There are 64 entries this year, adding up to a total of 202 event entries. That's up substantially from last year's 43 entries.

So far, EIGHT Category 2 National Records have been set! The site is slightly under the max for Category 2. Flying continued until midnight Monday.

Don Slusarczyk set a new Senior Intermediate Stick record of 18:10, which is higher than the current Open record.

If you missed the chance to see the Indoor flying this year, don't miss it next year! It's like nothing else you've ever seen before.

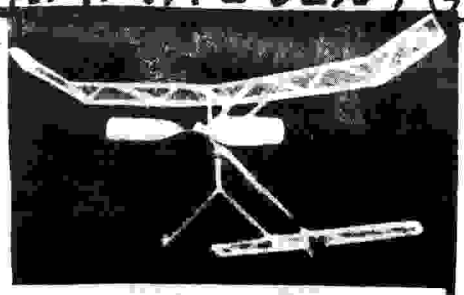
1987 UNOFFICIAL INDOOR EVENTS WINNERS

Here are the results of the unofficial Indoor events.

George Perryman beat Bill Hannan in Autogiro. Frank Kaiser beat Roy White in Ornithopter with a flight of 10:00 to Roy's 7:50. This gives Frank a new record in Ornithopter; the old Category 2 record was just over 7 minutes.

There are five entries in Helicopter. Charlie Sotich won with a flight of 185 seconds. George Perryman was second with a flight of 112 seconds, followed by John Martin (41), Bill Hannan (33), and Larry Kruse (32)

NEW MIAMA EVENT



The Delaware Valley Federation's "Federation ROG" was featured in Tony D'Alessandro's article in the May '87 issue of MODEL AVIATION with full rules, plus plans and details for Tony's "Skinny Minnie". Don't miss it.

THE FEDERATION PLASTIC PROP PENNY ROG

Here it is...the new MIAMA event... good for Juniors, Seniors, Open members, experts, and novices. It is the plastic prop penny ROG event. The rules are as follows

(I) Rubber power.
(2) All flights ROG
(3) Weight, without rubber, 3.1 gm.
(4)PROP- 1 piece molded plastic 6" diameter or less. Bushing OK. Sanding thinner OK. NOcut outs.
(5) Projected area: 30 in. Sq. or less.
(6)Stab area: 50% or less of wing Area.
(6) Landing gear: 2 wheels and support model.. 1/2" diam or more..turn free. subject to gear and wheel test.
(7) Any type covering OK.

Bernard Hunt, UK, does 24:48 with a modified version of his TANDEM-2 EZB model:

WOW!

.... by stiffening the tailboom and lengthening the motorstick from 12" to 14.5", and increasing the motorweight from 1.2 gram to 1.5.
The wing, prop and tail were unchanged. The effect of the longer motorstick is to move the CG back to 210% (yes, 3.3" behind the wing TE!) and the extra stiffness of the stick/boom allows the model to be suffiently stable despite the extreme rearward CG.

Please note Jerry Nolin - 3-1/87 FROM Korsgaard's "Indoor News"

(5) JOHNSON CITY USA !

Boy, did MIAMA support the NFFS National Indoor Champs? You bet, and everyone had a better time than they thought they would. This site at East Tennessee State College in Johnson City, Tenn. will revive indoor because it is as good, if not better than, West Baden. Much will be written about this meet and this site, but here is your brief preliminary report. Plans are already being made to return next year, + to bid for the indoor world champs here in 1988, to hold the Nats here separate from wherever the next AMA Nats are held, and to have a Cat. IV NART here complete with the old time 24 hour Grand Prix of Peanut. Now thats what I call ambititious scheduling!! The word is out... THIS IS THE PLACE. Reasonably priced air conditioned dorm rooms.

Over a hundred entries were received by CD Tony Italiano, and I saw guys I haven't seen in years. MIAMA had a fourteen member role call: Frank Kieser, Bill & Mrs Criss, Dick Obarski, Doc Martin, Mike and Sue Arak, Kevin Smith, Patty Smith, Dave Linstrum, Tony Becker, Charles Slater, Nancy Beitz, and George Leffler. Now THAT'S SUPPORT.

NATS, LINCOLN, NFFS SYMPO, 1987

Doc is inducted into the NFFS FREE FLIGHT HALL OF FAME along with Walt Mooney. Everyone got a pat on the back.. everyone but Terry Rimert. He got passed up at the applause meter, so here,s to you Terry- CLAP, CLAP, CLAP, CLAP, ETC. for running all the NFFS non official events both indoor and outdoor, duration and speed, for the umteenth time! Nice goin" Terry, WE appreciate you and your efforts.

MIAMA guys at the NATS..not as many as Johnson City.: FRANK KIESER set a new Cat. II AMA flapper record of ten minutes, flat. DAVE PLATT is showing a little disenchantment with R/C scale but is really very enthusiastic about FF rubber scale. His latest Grumman WWII torpedo plane (It looked like 1/4 scale)flew majestically but was beset with bothers. During one beautiful flight the left wing quietly folded and it did a death dive. Try a little indoor rubber scale, Dave. Tampa's Bob Wilcosz had signed up in indoor peant but I didn"t see him. Walt Erbach gratiously chaufferd Doc aroud town, as did Rimert. Terry was constantly lost..good thing he gets over 30 MPG on his old Dodge Colt.

The Canadian Connection was here again, and, as they did at Johnson City, beat up on the US guys. The four horsemen-Ken, Jack, Richard and John won almost everything in sight. Ken Groves, in particular, had a great meet. His "hat trick" in rubber scale was three firsts, and a second with his Dream Fike (Ugh!).

CONTINUED ON P. 16

MAMA PEANUT + PISTACHIO GRAND PRIX 6

JOHNSON CITY TN - - - - 38 ENTRIES - - NFFS US CHAMPS

MONOPLANES:	Total Points,	Flights	
1. W. Henderson, Toronto Bleriot VII	2	1:41.4	1:36.8
2. John Martin MO-1 Seaplane	5	55.6	55.4
3. Charles Slater Sperry Monoplane	8	1:05	1:15.6
4. Mike Arak Alco Sport	9	40.0	45.3
5. Charles Slater Moynet Twin Eng. (First in Twin motor)	9	48.3	53.9
6. C, Slater Skytrain helicop.	11	22.0	25/0
7. J, Martin Curtiss torpedo plane	11	7,1	6
8. Kevin Smith Bleriot VII	13	33	41.9

eight more entries..no flight

BIPLANES:			
1. Ken Groves Bristol Scout	4Pts	1:10.6	1:00
2. Nancy Beitz Curtiss racer	5	40.3	
2. (Tie) Patty Smith Ansaldo SVA	5	37.5	
4. Nancy Beitz Waco E	7Pts.	1:02.6	1:03.9
5. Dave Linstrum Macchi Nieuport	9	12.5	13.4

Five more..no flights

Pistachios:			
1. Mike Arak Alco Sport	4 Pts.	1:30.1	1:33.9
2. Frank Kieser Ornothopter	5	1:41	1:42.4
2. John Martin 14 Bis	5	43.o	41.8
4. Kevin Smith Bleriot VII	6	1:06	i:o8
5. Nancy Beitz Eastbourne Monoplane	9	36.0	

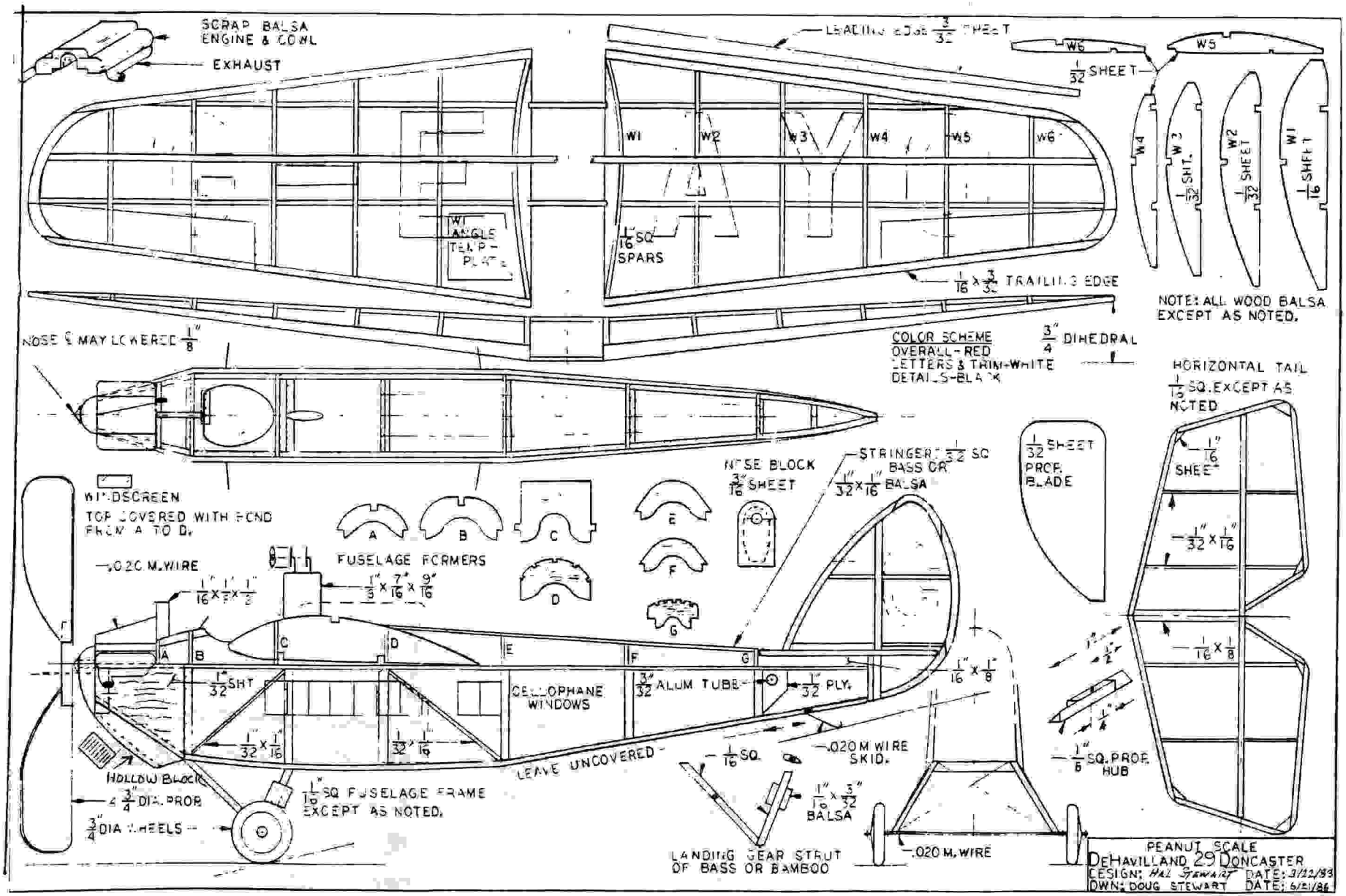
Three more did not fly

GOLD PISTACHIO LAPEL PINS to Mike Arak, Kevin Smith, and Frank Kieser for Pistachio flights over one minute. No one earned the "I hit the roof at the Mini-Dome" award!

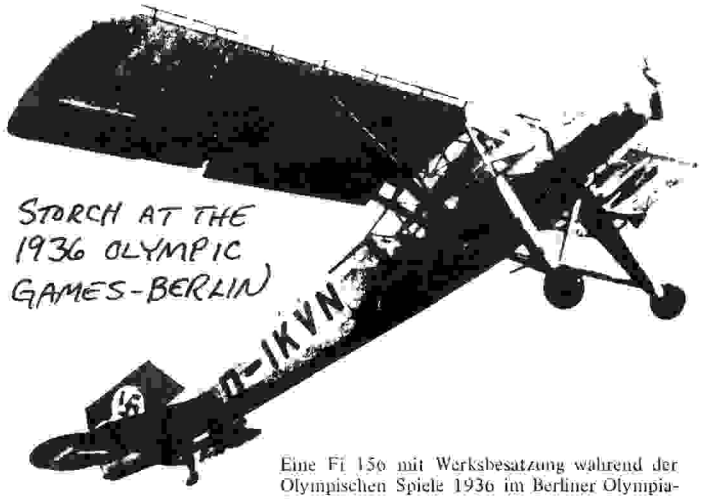
★ START BUILDING SOME LOW CEILING PLANES. IT LOOKS LIKE THIS SEASON WE'RE GOING TO B FLYING AT 25' YOUTH FAIR. LOTS OF FLOOR AREA.

★ SEE RULES FOR NEW FEDERATION ROG. THIS SHOULD INSPIRE NEW DESIGNS & HAVE GREAT APPEAL.

PAGE 4

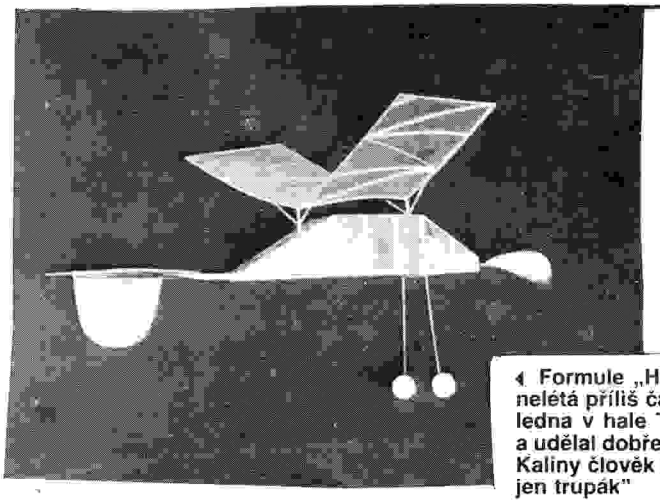

SCRAP BALSA ENGINE & COWL
EXHAUST
LEADING EDGE 3/32 SHEET
W6
1/32 SHEET
W5
W1
W2
W3
W4
W5
W6
W1 ANGLE TEMP-PLATE
1/16 SQ SPARS
1/16 x 3/32 TRAILING EDGE
W4
W3 1/32 SHT.
W2 1/32 SHEET
W1 1/16 SHEET
NOTE: ALL WOOD BALSA EXCEPT AS NOTED.
NOSE & MAYLOWERED 1/8"
COLOR SCHEME
OVERALL - RED
LETTERS & TRIM - WHITE
DETAILS - BLACK
3/4" DIHEDRAL
HORIZONTAL TAIL
1/16 SQ. EXCEPT AS NOTED
1/32 SHEET PROP. BLADE
1/16" SHEET
1/32" x 1/16"
1/16 x 1/8
W1 SCREEN
TOP COVERED WITH FOND FROM A TO D.
.020 M. WIRE
1/16" x 1/2" x 1/2"
FUSELAGE FORMERS
1/8" x 7/16" x 9/16"
A
B
C
D
E
F
G
NOSE BLOCK 3/16" SHEET
STRINGER 1/32 SQ BASS OR 1/32" x 1/16" BALSA
1/32 SHT
CELLOPHANE WINDOWS
3/32 ALUM TUBE
1/32 PLY.
1/16" x 1/8"
1/32 x 1/16
1/32 x 1/16
LEAVE UNCOVERED
HOLLOW BLOCK
3/4" DIA PROP
3/4" DIA WHEELS
1/16" SQ FUSELAGE FRAME EXCEPT AS NOTED.
1/16 SQ.
.020 M. WIRE SKID.
1/16" x 3/32" BALSA
LANDING GEAR STRUT OF BASS OR BAMBOO
.020 M. WIRE
1/8" SQ. PROP HUB
PEANUT SCALE
DeHAVILLAND 29 DONCASTER
DESIGN: HAL STEWART DATE: 3/22/83
DWN: DOUG STEWART DATE: 6/21/86

A MIAMA PEANUT PLAN (NEXT PAGE)



Eine Fi 156 mit Werksbesatzung während der Olympischen Spiele 1936 im Berliner Olympia-Stadion.

CARL HEDLEY'S PEANUT STORCH
This plane looks so"right'" that everyone wants to build it. Carl has not, but submits these fine plans. We would like a report on your success or otherwise. This is a complex plane with a lot of struc_ ture and it looks impossible to keep light. GOOD FLYING. Here are the proper documents.



◀ Formule „Hrdlořezy" se na soutěžích halových modelů nelétá příliš často. LMK Praha 10, ktery pořádal soutěž 18. ledna v hale TJ Bohemians, ji však do programu zařadil, a udělal dobře. Při pohledu na letový snímek modelu Jiřího Kaliny člověk může pouze konstatovat, že „trupák je přece jen trupák"

JOIN THE FILLMORE SOC.



Another star for Vanna!

Vanna White has picked up another award — airhead of the airwaves. "In a year of airheads, Vanna was the queen," sez **Phil Arkow,** vice president of the Millard Fillmore Society. The society, which takes its name from **Millard Fillmore,** the 13th prez, is dedicated to the study of mediocrity in the U.S., *The Miami Herald* reports.

Every knock a boost — Vanna White is ALL right.

FIESLER FI-156 STORCH (STORK)

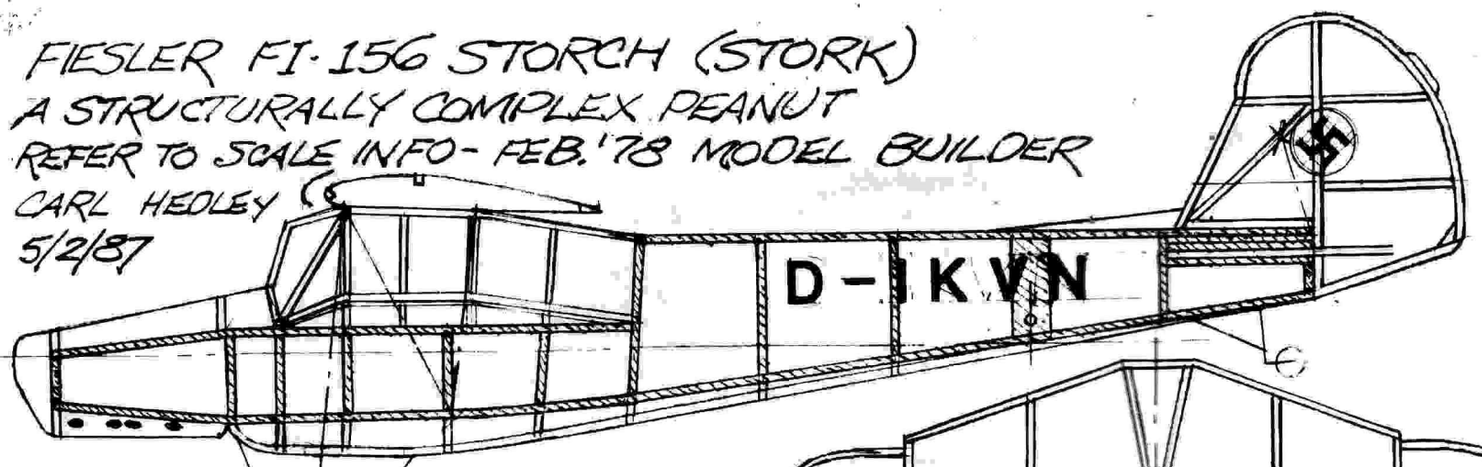
A STRUCTURALLY COMPLEX PEANUT

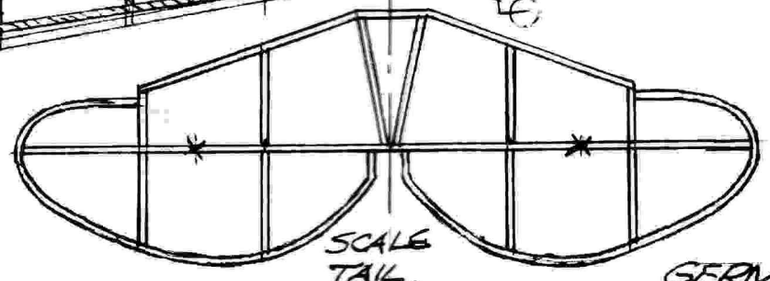
REFER TO SCALE INFO - FEB. '78 MODEL BUILDER

CARL HEDLEY

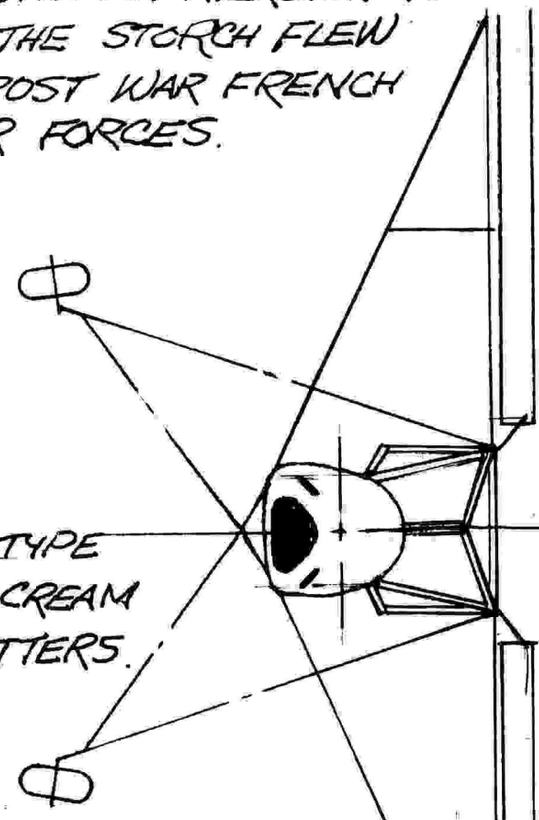
5/2/87

FOR THOSE WITH AN AVERSION TO SWASTICAS, THE STORCH FLEW WITH THE POST WAR FRENCH & CZECK AIR FORCES.

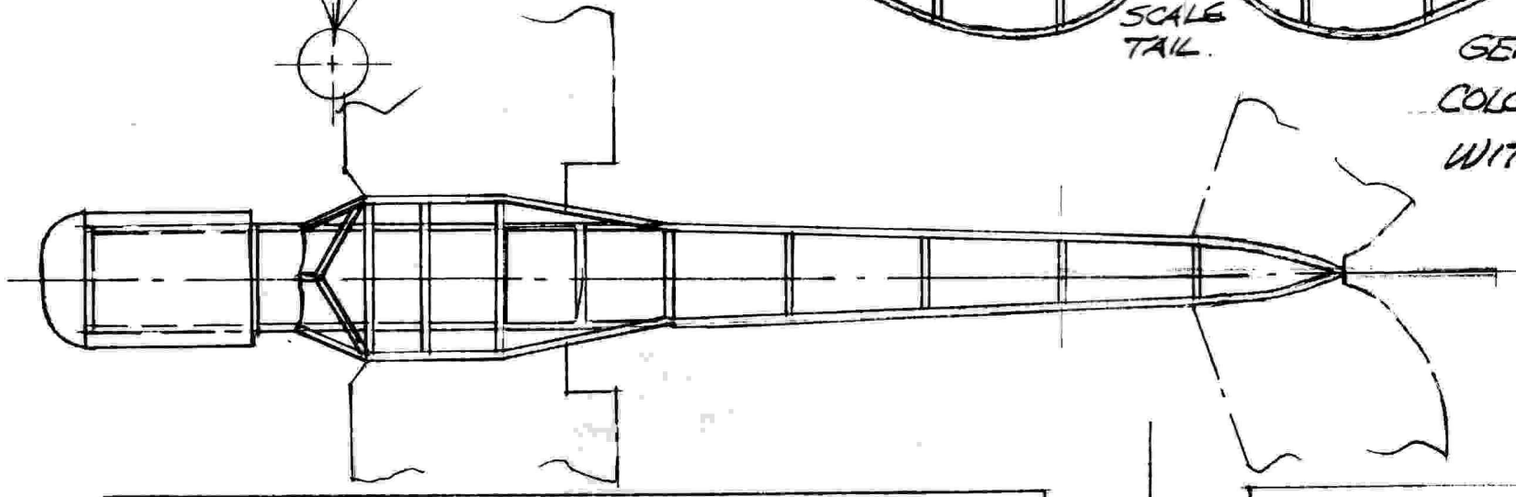


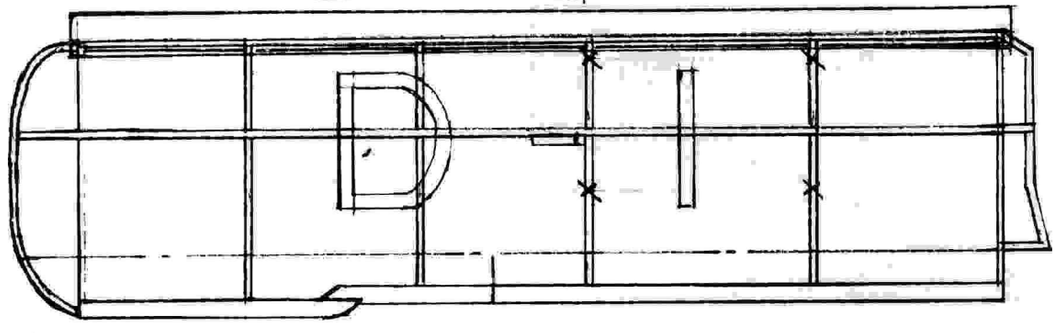


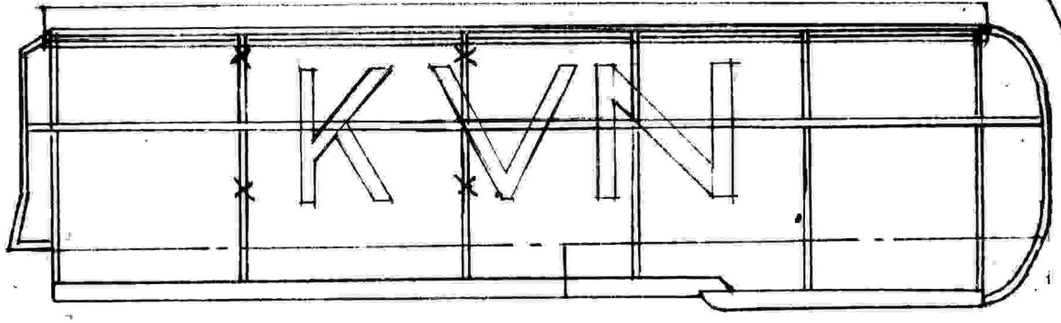
SCALE TAIL.



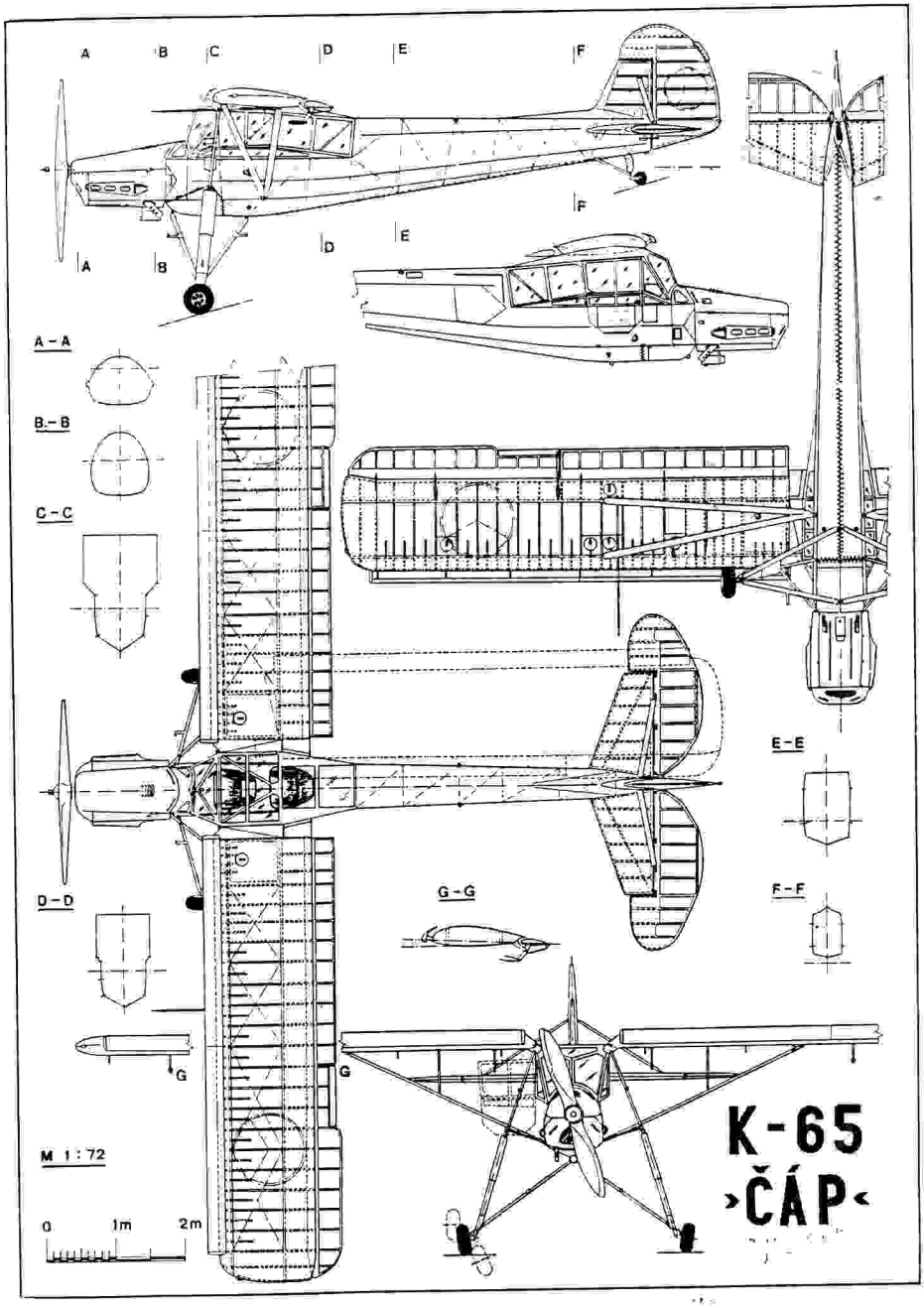
GERMAN PROTOTYPE COLOR SCHEME - CREAM WITH BLACK LETTERS.







(11)
FLY IN THE NEW CAT I INDOOR SITE ON SAT AUG 8 9 TO 5 YOUTH FAIR EXHIBIT PAVILLION SAME AREA AS FIU COLLEGE CORAL WAY CONFIRM BEFORE YOU COME.

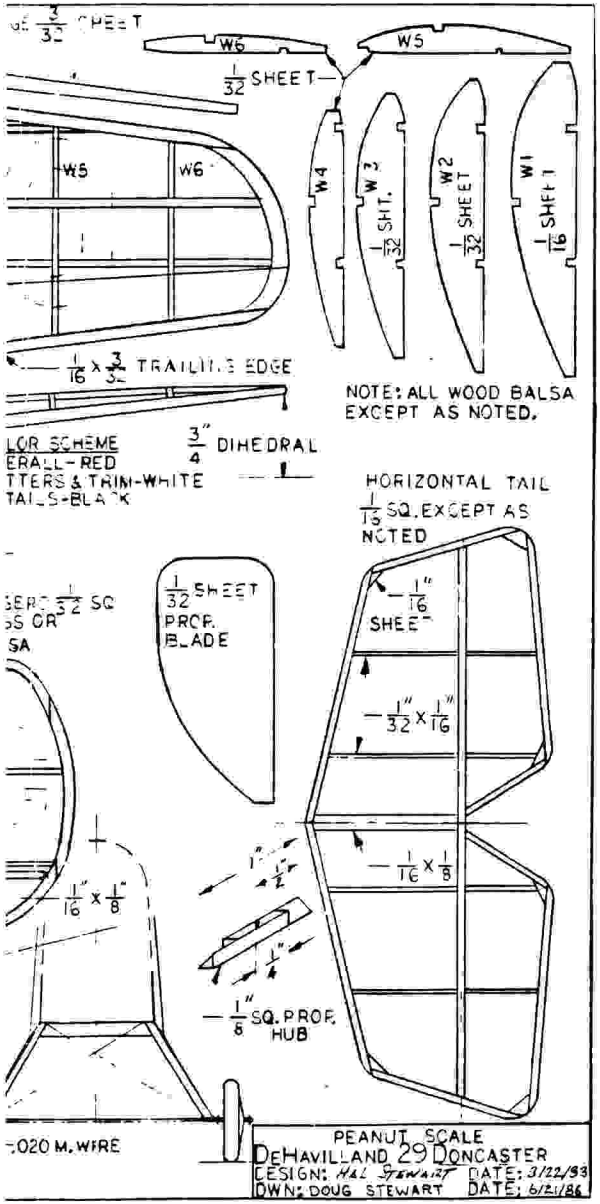


CALL 305. 558-6363 ON FRI NITE OR SAT. MORN.

THE DONCASTER - CIVIL VERSION (12)

Here is a peanut plan for the D.H. 29 reduced to pistachio size submitted by Hal Sterart. THANKS HAL ! His model flew a year ago in Niagara Falls NFFS US Champs. Enlarge it back to peanut size or even larger. Doc remembers a Tom Stark version of this ship that won indoor scALE AT Lake Charles in 1975. The documentation is in DEHAVILLAND AIRCRAFT SINCE 1915 by A.J. Jackson. There are a lot of other great aircraft in this book so be near a xerox if you ever get your hands on a copy. If your public library system is as bad as here in Miami.. forget it, especially since it was printed in England

P.S. Whatever happened to Tom Stark?



SOCIAL NOTE :

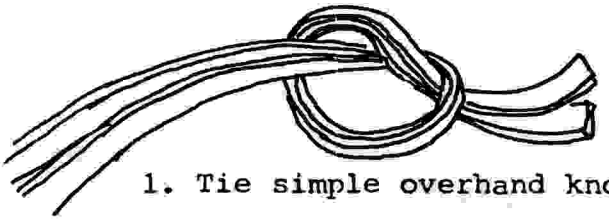
THE MIAMA ANNUAL AWARDS DINNER + MEETING IS STILL ON HOLD.

WE STILL THINK IT'S A GOOD IDEA TO HOLD IT IN TAMPA ON OCT 17 AFTER DAY 1 OF MEET 1 AT MAC DILL.... MORE LATER

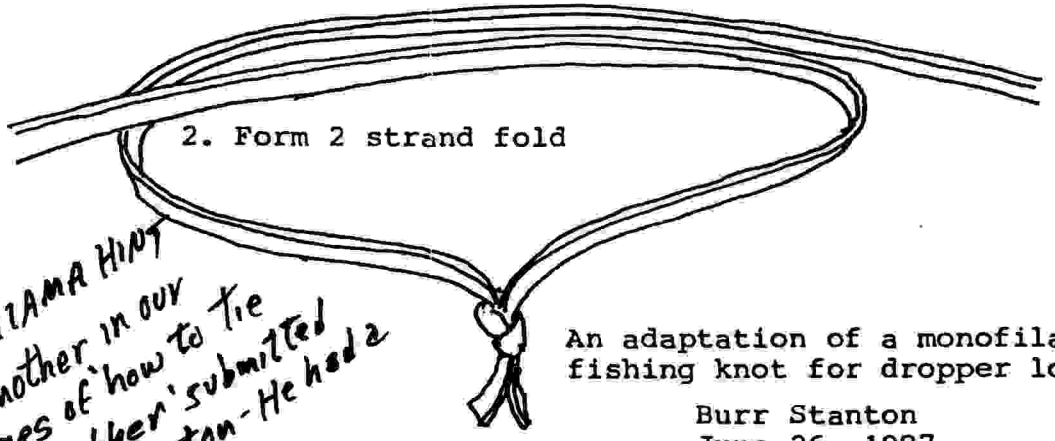
WE HAVE PLENTY OF AWARDS & KUDOS TO GIVE OUT. THEY'RE REALLY NICE, TOO, IF WE SAY SO OURSELVES.

A NON-SLIP KNOT FOR LUBRICATED MOTORS (in fact, rubber must be lubricated before tying knot!).

(13)



1. Tie simple overhand knot, pull tight



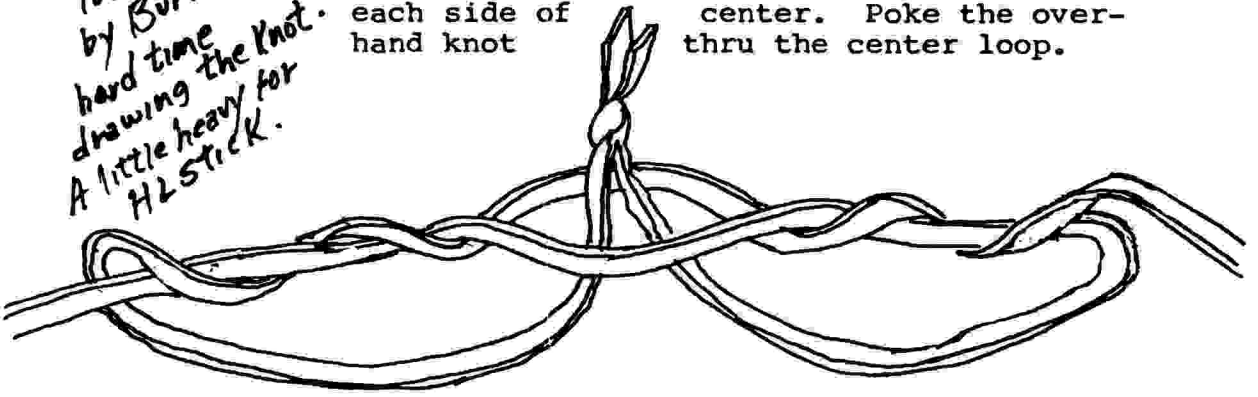
2. Form 2 strand fold

MIAMA HINT
Another in our series of 'how to Tie lubed rubber' submitted by Burr Stanton - He had a hard time drawing the knot. A little heavy for H2 stick.

An adaptation of a monofilament fishing knot for dropper loops

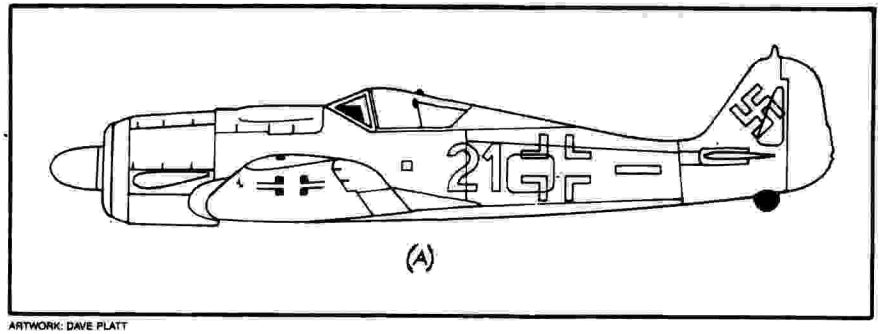
Burr Stanton
June 26, 1987

3. Twist 2 strands to form at least 2 loops each side of center. Poke the over-hand knot thru the center loop.



4. Pull tight! Here's where the lubrication pays off. When a small tight knot is formed, cut off ends close to the over-hand knot you started with.

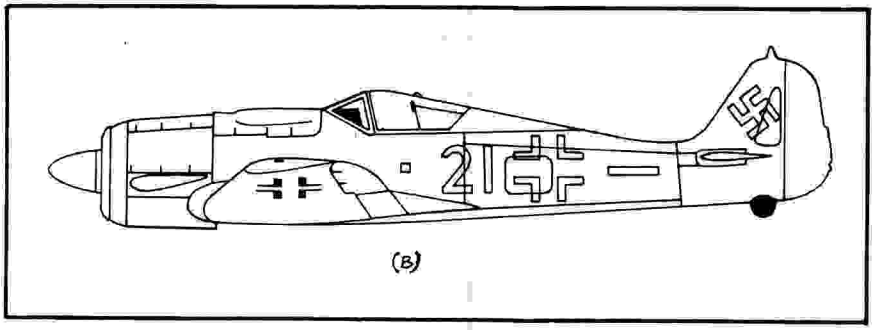
DAVE PLATT ASKS: "WOULD YOU MAKE A GOOD SCALE JUDGE?" TRY THIS TEST: (14)



(A)

ARTWORK: DAVE PLATT

Just how sharp are your judging skills? Consider aircraft A and B above. Can you find seven things wrong with B? When you're ready, here are the answers: 1. the spinner on B is the wrong shape; 2. the bottom of B's fuselage aft of the wing is too straight; 3. the swastika on the vertical stab in B is rotated too much; 4. the typeface of B's numbers is wrong; 5. the cross is too far forward on B's fuselage; 6. the aerodynamic balance on B's rudder is missing; and 7. the bar behind B's cross is too long. It's the subtle nuances like this which render an otherwise spectacular piece of workmanship a competitive dud. Most people, seeing an aircraft like B would consider it a shoo-in for some of the honors and can't understand why the judges do not accord it part of the winner's circle.



(B)

DOC GOT 5..... MISSED (2) AND (3) PICKY, PICKY, PICKY!

SEND IN ED WHITTEN'S FINE SUGGESTION TO HONOR A MODEL AIRPLANE PIONEER

TO: The A.M.A. Executive Council
1810 Samuel Morse Drive
Reston, Virginia 22090

CHARLES HAMPSON GRANT
(1894-1987)

The undersigned member of the Academy of Model Aeronautics duly petitions the A.M.A. Executive Council to vote in favor of honoring CHARLES H. GRANT by renaming the AMA's scholarship fund to....

THE CHARLES HAMPSON GRANT A.M.A. SCHOLARSHIP FUND

Date _____ Member's Signature _____ AMA No. _____

THE MIAMI SCENE, OR WHERE ARE YOU?



"It's your dentist, Charlie. He says it's been five years!"

OK You guys...It's recruiting time for our club. We now see some faces from the past who are now active again, BUT we have lost many members from death, moving, loss of interest (ennui), and other causes. All I know is that it is embarassing to schedule a fun fly at M/D South and have four guys show up! We can and must do better than this or toss in the towel! LOCALLY. The mid-state meets are well attended (About two dozen) and Miamians drive five hours to attend with no complaints. Who can complain when you have such excellent sites to fly in? Our Florida local MID STATE meets are better than most AMA Nats sites.. Our two day meets with our fly all events all days policy helps.

We need new members and we need them forthe local fly ins or we are gonna lose M/D South.. It has been demonstrated in the past that there are good recruiting areas: engineering students, boys and girls clubs, retired ex-modelers, and neophites.

How do we reach them? We used to have a small glass case at Orange Blossom that brought us many new members. How about a poster and display in the trophy cases at the local schools, colleges and libraries? A volunteer is needed. Maybe a poster at the Youth Fair, or Weeks Air Museum, or Planatarium? We have a lot to offer, but are having trouble getting out the word. HELP! HELP! HELP! IDEAS, ACTION!

WARNING .... WARNING .... LOOK OUT.

Some planes fly well...some don't. this is a warning. In the last issue we had a plan for the Mitsubishi KAMIKAZE It looked great. I decided to build it..but reduced the plan to Pistachio size. At any rate the little version of this plane was a disaster. I tried every trick I know. Wash out wing tips, add more dihedral, enlarge stab, enlarge rudder, change props....forget it - flew like a Fokker triplane. RED WARNING!

SAMPLE COPY - HANGAR PILOT

This issue of Hangar Pilot is being sent to a lot of flyers who have never seen it before.. A one shot freebie. We have local news of meets in Miami, in Fla. and Ga., and also US and international competition. We do a lot of indoor scale and are the primo source of Pistachio information. Also high tech and building tips . We try to stay with it and recommend publications, kits, and supply sources..also black humor and social commentary. This issue is going out to the San Die go Orbiteers, the Thermal Thumbers of Metro Atlanta, and those who used to get the Swamp Squadron News at considerable expense to MIAMA. We will all miss Dean McGinnes excellent publication, but hope he now has some time to build a few models. If any of you wish to continue to receive Hangar Pilot see inside front cover. I figure on an eight issue year which is why I"m not dunning everyone this issue... your next issue will be the last so be ready...or send in early.

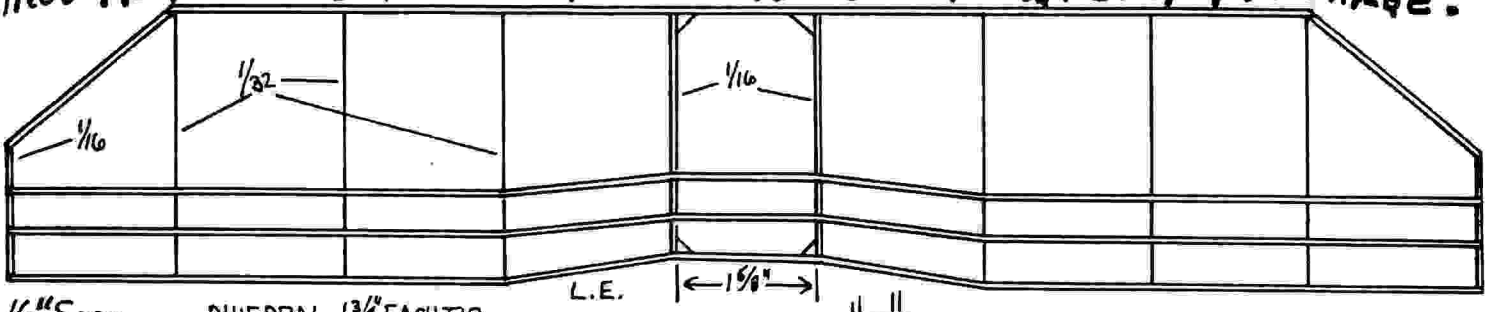
CONT.

NATS, LINCOLN, NFFS SYMPO 1987 CONT. On those few occasions when all was not going well with the Canadians you could hear their famous "Lou Leffler Chant". An eerie ,spine tingling lament that has to be heard because it can't be described. Sort of like the wives of Isreal weeping for their fallen.

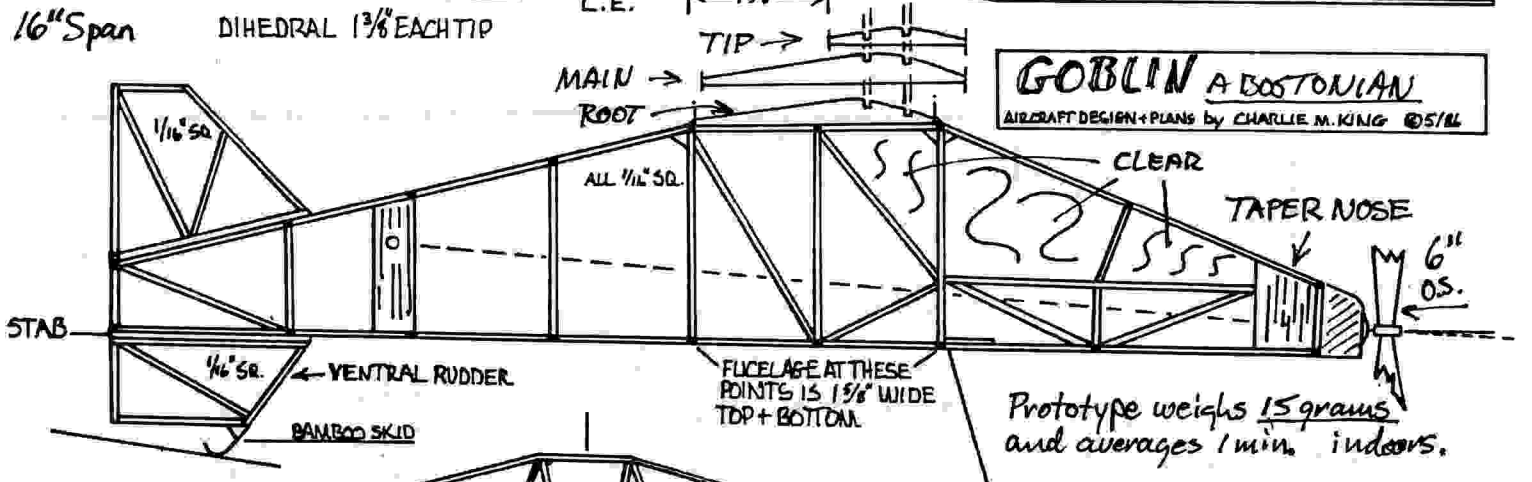
The big guys were all there. Burt Rutan was at our FF scale area launching a few models. AMA Pres. Don Lowe sat next to me at the awards dinner.. His column in Sept. MODEL AVIATION gives an account of his visit to Johnson City TN. We agreed that sites were the major problem confronting AMA flyers. Sites for R/C' sites for C/L, sites for FF, and sites for indoor. all in jeopardy. Don mentions the very distinct possibility that the indoor Nats "desire for an optimum site should overide the desire for solidarity at the NATS".. I'm just back from Lincoln where I flew at Pershing auditorium, and outdoor FF events but I admit that I'd rather fly at the Mini-Dome and forego the other stuff I did..Watched combat and pattern C/L, etc. etc.

At Johnson City Dist V VP Lee Webster was also impressed and made it an item in his Sept. MA Column.. I can't agree with him that there was "a low participation in indoor scale." 52 entries combined AMA and peanut is the best field since Ohio in 1976. At Lincoln I saw three (3) R/C scale helicopters...now THATS low. Lee,too, mentions the prospect of a separate indoor Nats. The Lincoln turn out was more than double the Lake Charles entry but that was easy. I was planning to attend Lake Charles but gave up on the idea when only a week before the meet the site and schedule had not been resolved. My phone bill to Rick Doig was big!

CHARLIE'S BOSTONIAN IS PRESENTED AS A PISTACH. 'MODEL OF A MODEL' TO PRODUCE TRUE PROPORTIONS TAKE THE PLAN TO NEAREST XEROX SHOP + ENLARGE.

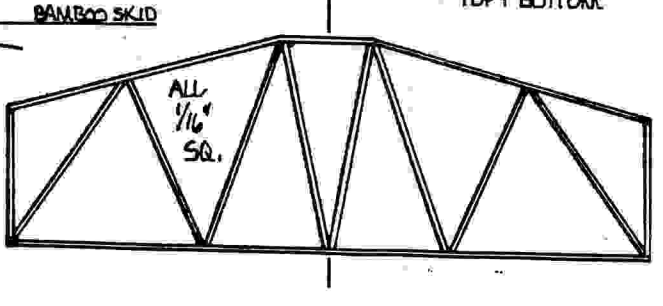


16" Span DIHEDRAL 1 3/8" EACH TIP



GOBLIN A BOSTONIAN
AIRCRAFT DESIGN + PLANS by CHARLIE M. KING ©5/81

Prototype weighs 15 grams and averages 1 min. indoors.



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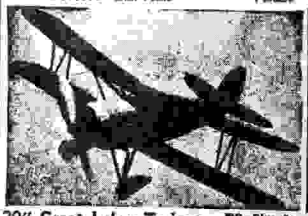
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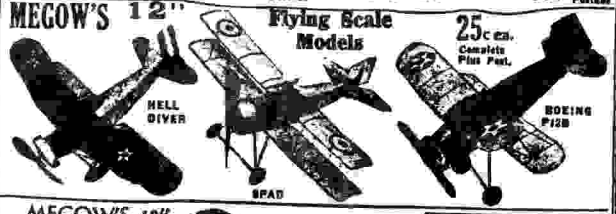


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STUDY MEDIOCRITY - JOIN THE FILLMORE SOC.

WHAT'S GOING ON ? AUG 6 YOUTH FAIR FUN FLY SEE P.11

Aug 16	Melbourne, FL Florida Free Flight Record Trials, CD Ron Sharpton, 1290 Country Road, Daytona FL 32019
Aug 22-23	Rome GA. TTOMA Free Flight Meet. For info contact David Mills.
Aug 30	Orlando FL Vallencia Communitee College-Balloon Bust and Mouse Race.
Sep 19-20	Rome, GA.TTOMA Free Flight Meet. for info contact David Mills.
Sept 27	Orlando, FL, Valencia Comunitee College. Fox-berg and Mouse Race. for info contact Charles Duby 3854 N. Lake Orlando Parkway, Orlando, FL 32808.
Oct 10-11??	Pensacola, FL **Tenth AnnualJim Kloth Memorial** and gathering of the turkeys meet. info, Tom McLaughlin.
Oct 17-18	Rome GA TTOMA Free Flight Meet. for info contact David Mills.
OCT 17-18	TAMPA FLA. MIAMA INDOOR MEET + AWARDS DINNER-MACDILL
Oct. 18	Orlando, FL Barnnett Park, Balloon Bust and Stunt. for info contact Charles Duby
Nov 14-15	Rome GA TTOMA Free Flight Meet. for Info contact David Mills, 10-D Pine Circle NE, Atlanta, GA 30305

NOV 21-22 - TENTATIVE MIAMA INDOOR MEET 2 COAST GUARD HANGAR ST. PETE
DEC 26-27-(" " " ") KING ORANGE INDOOR+MEET 3 DELTA HANGAR - TAMPA.

THE HANGAR PILOT

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



JIM MILLER
827 YORKHAVEN RD
CINCINNATI, OH 45240