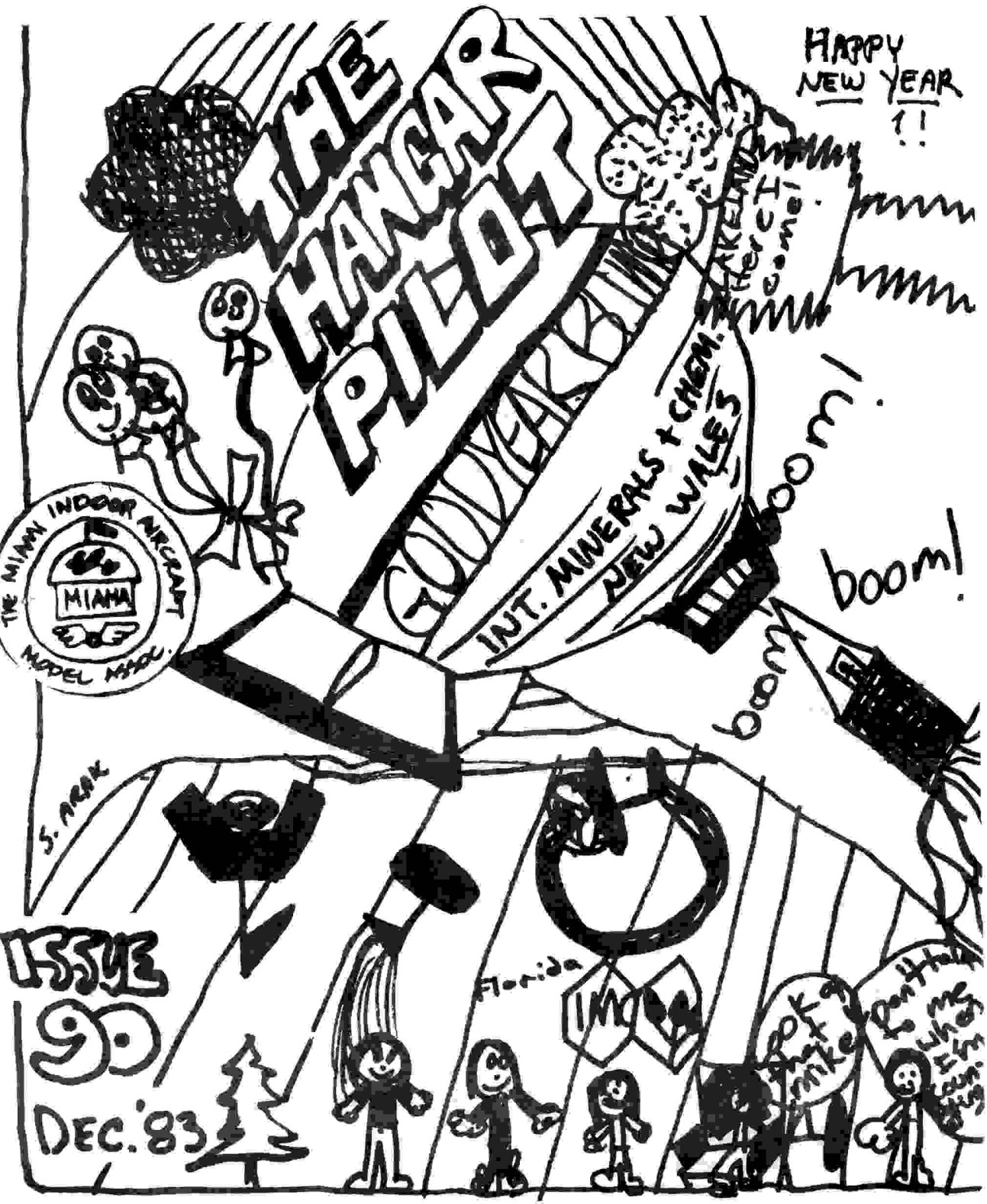

THE HANGAR PILOT
GOODYEAR
INT. MINERALS + CHEM.
NEW WALES
HAPPY NEW YEAR !!
boom!
boom!
boom!
THE MIAMI INDOOR AIRCRAFT MODEL MEET
MIAMI
S. ARIK
ISSUE 90
DEC. '83
Florida
IMC



MEET REPORT, 2 IN: 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!!!

Well, Pilots, we just had the "best indoor meet ever held in Florida", and it lived up to it's advanced billing. Dick Obarski, who has flown so many places that he is not easily impressed, compared the site at the International Minerals and Chemical warehouse at New Wales (Near Mulberry/Bartow, Fla.) to West Baden !!

I've experienced the feeling at Coventry and Cardington, Northwood and Notre Dame, Lakehurst and Winchester, (Notice how I've combined indoor sites with cathedrals?) but I never thought I would experience the reverant, awed feeling of a fine indoor site in the phosphate mining district of central Florida. The hush, the grandure of a giant room! Wow! Even my mother (84 yrs.) was impressed. What's it like to fly indoors? It's different, guys, it really is. It's NOT like other stuff, not at all. As Louis Armstrong replied to some guy who asked him "What is Jazz?" he said.. "If you gotta ask, you aint NEVER gonna know!" Same with indoor. Just build a model and DO IT, quit waiting around! Don't ask. Right, Louie?

We had a great time on Nov. 26 & 27 with IMAC as hosts. JANET ROTH & staff went all out, providing the direction signs, safety barriers, delicious box lunches, retrievers, and, yes, even rented 2 Port-O-lets! Most out of towners stayed at Davis Bros. Motel in Bartow. Ellis Oglesby (Who suggested the whole thing in the first place) and Dean McGinnes were our MIAMA men in the area who fine-tuned the details, and will continue these efforts as long as IMAC doesn't fill the room with product. Then we will be back on the street. Ah, well.. the fortunes of indoor.

For all those non-contestants..wives, onlookers, unititiate, we beg your pardon. The silence and apparent disinterest was only a compliment. The flyers were so involved in flying and enjoying the site that there was little conversation. Sort of like the contestants at a chess meet. Believe me- We were having FUN, dispite the silence. Results next page.

WE HAVE JUST RECEIVED WORD THAT IMAC HAS O K'D THE MEET ON JAN 21 & 22. You must be an AMA member, or join, at least, for the day. Sign up at the meet. If you miss this one.. Shame on you!!

MEET 2 INT. MINERALS & CHEMICAL NEW WAVES

NOV 26/27 '83

CD ARAK +LINSTRUM

2

PEANUT SCALE EVENT:

1. John Martin	8 Points	(Dornier 212 26.0)	2 Static, 6 flight	(40.6)	(40.4)
2. Bill Criss	8 Pts.	(Cougar 25.5)	3 Stat., 5 fly	(39.0)	(47.9)
3. Millard Wells	8 Pts.	(Wee Bee 23.5)	7 Stat., 1 Fly	(2:11)	(1:56)
X M. Wells	10 Pts.	(SE-5 23.5)	7 Stat., 3 fly	(1:04)	(1:10)
4. Lubomir Koutny	11 Pts.	(Kingfisher 29.5)	1 Stat., 10 Fly	(21.0)	19.0)
X. M. Wells	11 Pts.	(Eastborne 22.2)	9 Stat., 2 Fly	(1:14)	(1:17)
5. Blake Oliver	13 Pts.	(Ganagobie 23.7)	6 Stat., 7 fly	(33.2)	(33.4)
6. Dean McGinnes	14 Pts.	(Jodel 23.8 Pts)	5 Stat., 9 fly	(50.4)	(0)
X D. McGinnes	14 Pts.	(I S-4 21.5)	10 Stat., 4 fly	(60.0)	(65.0)
7. Mike Arak	15 Pts.	(Vagabond 24.3)	4 Stat., 11 fly	(14.0)	
X Bill Criss	16 Pts.	(Comper 23.0)	8 Stat., 8 fly	(27.6)	(35.0)

KIT/PLAN SCALE EVENT:

1. John Martin (Curtiss Robin)	78 Stat.	73.5 & 78.0	229.5
2. Bill Criss (Pilatus Porter)	80 Stat.	56.1 & 56.5	192.6
3. Dean McGinnes (Glenny)	90 Stat.	46.0 & 46.0	182.0
4. Rick Midkiff (Travel Air Mystery)	88 Stat.,	22.0 & 22.0	132.0
5. J. Combee (Cougar) – Sr.	70.2 Stat.,	23.0 & 22.0	115.2
X Joe Combee (RWD-6)	75 Stat.,	24.0 & 22.0	121.0
6. Mike Arak (Vagabond)	99 Stat.,	17 & 0	109.0

CLASS A ROG:

1. Dick Obarski	9:53.5
2. Walt Everson	6:16.0
3. Mike Arak	3:58.0
4. John Martin	2:18.0

FLYING ACES WWI MASS LAUNCH:

1. Dean McGinnes (IS-4)
2. L. Koutny (Kingfisher)
3. John Martin (Renard R-31)
4. J. Combee (P-51) for Rich Begin

HL GLIDER:

1. Don Bal	(51.1)	(51.1)
2. Ron Sharpton	(50.0)	(47.0)
3. Terry Rimert	(32.1)	(33.2)
4. Blake Oliver	(38.4)	—

Juniors:

1. David Bal	(26.1)	(26.2)
2. Steve Bal	(7.1)	(14.6)

Junior Enduro: 1. Sue Arak 1:09

Paper Stick: Dick Obarski 1457

Novice Penny: Blake Oliver 4:30

MANHATTAN:

1. Ellis Oglesby	5:07
2. Ron Sharpton	4:15.5
3. Millard Wells	4:14
4. Mike Arak	4:02

EASY B:

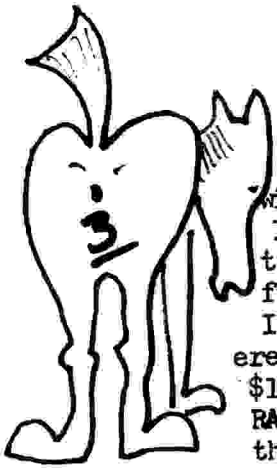
1. Dick Obarski	14:15
2. Bill Erwin	13:11
3. Dave Linstrum	9:10
4. Mike Arak	6:11
5. M. Wells	4:33
6. Jim Stewart	3:26
7. Ed Shaw	2:15
8. J. Combee	:34.0



MERRY CHRISTMAS

FROM THE MIAMA HANGAR PILOTS





FROM THE HORSES MOUTH

AND OTHER ORIFICES : The mail bag is jammed with information, pilots, let's get on with it:

ITEM 1. Col. BOB RANDOLPH, who heads up our FAI indoor team in Japan next year, has a remarkable watch that he finds ideal for indoor timing. He sent me a sample, and I have to agree with him. It has more than a dozen different functions including a computer., It sells for only $16.00, and money back if not delighted. PPD. to BOB RANDOLPH 25145 Lawton Ave, Loma Linda, Cal.92354 For the man who has everything. Get one of these things!

ITEM 2. BILL HANNAN reports that the Flightmasters West club is also flying Pistachio Scale. Walt Mooney built an all sheet Siemans-Shuckert, & finished 2nd to Chris Johnson's (Ken's Son) Waco SRE. (Hiscock take note)

ITEM 3. KEN JOHNSON is complaining that he doesn't get enough input from indoor flyers to feed his indoor column appearing 6 times a year in Model Builder. Send him some stuff, pilots! He may drop his column. No, No!

ITEM 4. Still from the West Coast.. George Honda sent a "T" shirt."ICHIBAN SCREW-UP" which needs some translation, after his KAMAKAZI, and Flying Cockaroaches shirts. ITEM 5. BILL GOUGH sent some great vintage indoor scale material, which I have passed on to Ken Johnson . Hope you give this material a wider exposure than we can, Ken. Thanks, Bill.

ITEM 6. The results from our Questionnaire have been coming in these past two months, and there will be some very interestin reading, pilots. If you have not sent it in, please dig out issue 88 and do so.

ITEM 7. DAVE LINSTRUM, who's column in Model Airplane News is your only excuse for buying this disappointing publication, has given the indoor meet at INTERNATIONAL MINERALS AND CHEMICAL good coverage in MAN. ITEM 8: TERRY RIMERT, Free Flighter extraordinare, is back in action with his column in this issue. He puts the fun in the Nats as director of the "Unofficial" FF events. Keep up the good work, Terry...Someone is having fun.

ITEM 9. Our Czech friend and photographer, Ing Loubomir Koutny, has sent a Vought Kingfisher peanut to be proxy flown. We have entered it in combat, and peanut. We hope this practice becomes more widespread.

ITEM 10: Sick Call..Lot's of pilots have been ill lately. Walt Everson is recovering from heart problems, Roman Szymula's treating for lung problems, and Dick Kelso also had heart trouble. Hang in there, guys, indoor isn't a contact sport, you're getting plenty of building time.

ITEM 11: Our men in LAKELAND, ELLIS OGLESBY; DEAN McGINNES; ET AL, are to be commended for their efforts. It sure doesn't hurt to have a surperior flying site when you are trying to promote indoor flying.

LAST ITEM: DICK OBARSKI, 2349 Barcelona Ave SE, Ft. Myers Fla. 33905 813-693-1996 is promoting an FAI regional trial in Florida on March 24/25, either at Opa-Locka, or Lakeland. WE SOLICIT INTERESTED OUT OF STATERS: Please write DICK ! Team Points.

NIKITIN-SHEVCHENKO 4

Pronounced "Nikitin-Shevchenko" by USSR experts. Designed by Mark Fineman and used by Dean McGinnes to earn a Kudo at Lakeland meet 1 . It is BIG, it flies well, it could be lighter for indoor, it is well documented in Vol II of AIR ENTHUSIAST, some of which we present here. Dean got his thrill of his first indoor scale flight over a minute with a best of 1:05. Nice going!

An artist's impression of the IS-4 as projected with the M-120 engine, the lower wing and undercarriage being seen in the final stages of retraction.

Comparison views of the IS-1 (left) and the IS-2 (right) which did much to prove the practicability of the so-called 'folding fighter'.



SCRAP EXHAUSTS

NOTE · FOLDING BOTTOM WING AND LANDING GEAR SHOWN IN RETRACTED POSITION (INKED OUTLINES). PROBABLE COLOR SCHEME: MED. GREEN UPPER, LIGHT BLUE BELOW, RED STARS.

CANOPY OUTLINE

(L.E.) WING BOX SIDE (MAKE 2)

TRAILING EDGE FORMER

LEADING EDGE FORMER

- STRINGERS, LONGERONS, UPRIGHTS ARE 1/16 SQ.
- FORMERS ARE 1/20 (OR 1/32) SHEET

F1 F2 F3

BUTT NOSE AREA SIDE STRINGERS TO F6

STABILIZER, WING TIPS & RUDDER: 2 LAMINATIONS OF 1/32 x 1/16 IN. BALSA

(VACUUM FORMED)

10T 11T 12T 13T

1/16 IN. BRASS TUBE - FILE IN FREE - WHEELER

(WING SLOT)

(STAB. SLOT)

TURNED BALSA SPINNER

1 2 3 4 5 6 7 8 9 10 11B 12B

RECESSED WING/GEAR OUTLINE (INK)

MOST STRINGERS OMITTED FOR CLARITY (NOTE CROSS-HATCHED STRINGER ABOVE 11T - 13T)

THIS LOOKS LIKE THE LACEYMHO OF WW II

F4 F5

F6T F6B F7B F8B — ALSO F9T

F9B F10B F11B F12B

PROPELLOR - 5 1/2 IN. "NORTH PACIFIC", OR EQUIVALENT

BEST TIME TO DATE - 3+ MINUTES (OUTDOORS)

WING LEADING EDGE: 3/32 x 1/8

DIHEDRAL: 15/16 EACH TIP

WING BOX FORMER POSITIONS

(WING HALF)

TRAILING EDGE, SPAR: 1/16 x 1/8
ALL RIBS: 1/32

WING CONSTRUCTION

① GLUE WING HALVES TOGETHER WITH CORRECT DIHEDRAL, GLUE SPAR, L.E. AND T.E. ONLY.

② INSET L.E. 1/16" - THEN BETWEEN INNERMOST RIBS GLUE IN L.E FORMER - GLUE SPAR FORMER TO FRONT OF SPAR.

③ REMOVE EXCESS L.E. AND SPAR IN CURVE OF FORMER

④ REAR VIEW - T.E. FORMER GLUED TO BOTTOM OF T.E.

⑤ ADD WING BOX SIDES (WING STRUCTURE NOT SHOWN HERE) FILL IN CORNERS WITH SCRAP AND ROUND OFF. STRINGER ADDED AS SHOWN BY THE DASHED LINE.

STRINGER T.E. SPAR RIB L.E. BOX SIDE

COMPLETED WING BOX ASSEMBLY
FILLED CORNERS OMITTED FOR CLARITY

WW II SOVIET EXPERIMENTAL FIGHTER

NIKITIN-SCHEVCHENKO IS-4

BY MARK FINEMAN

PEANUT SCALE

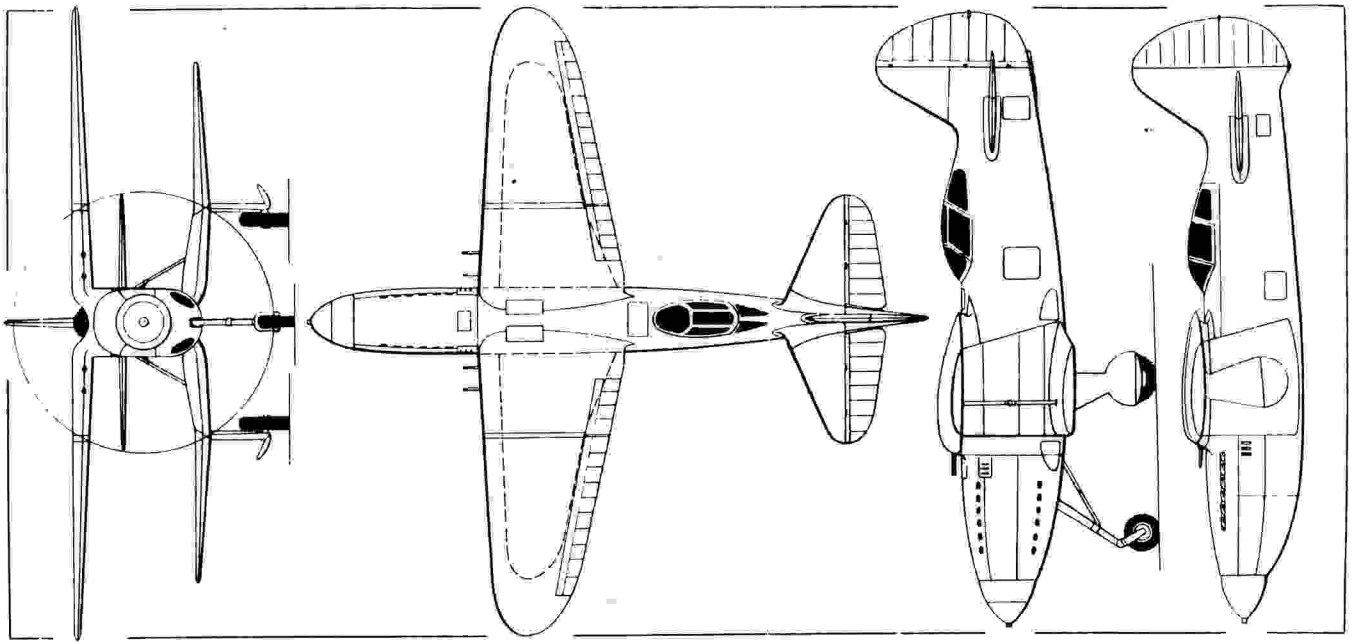
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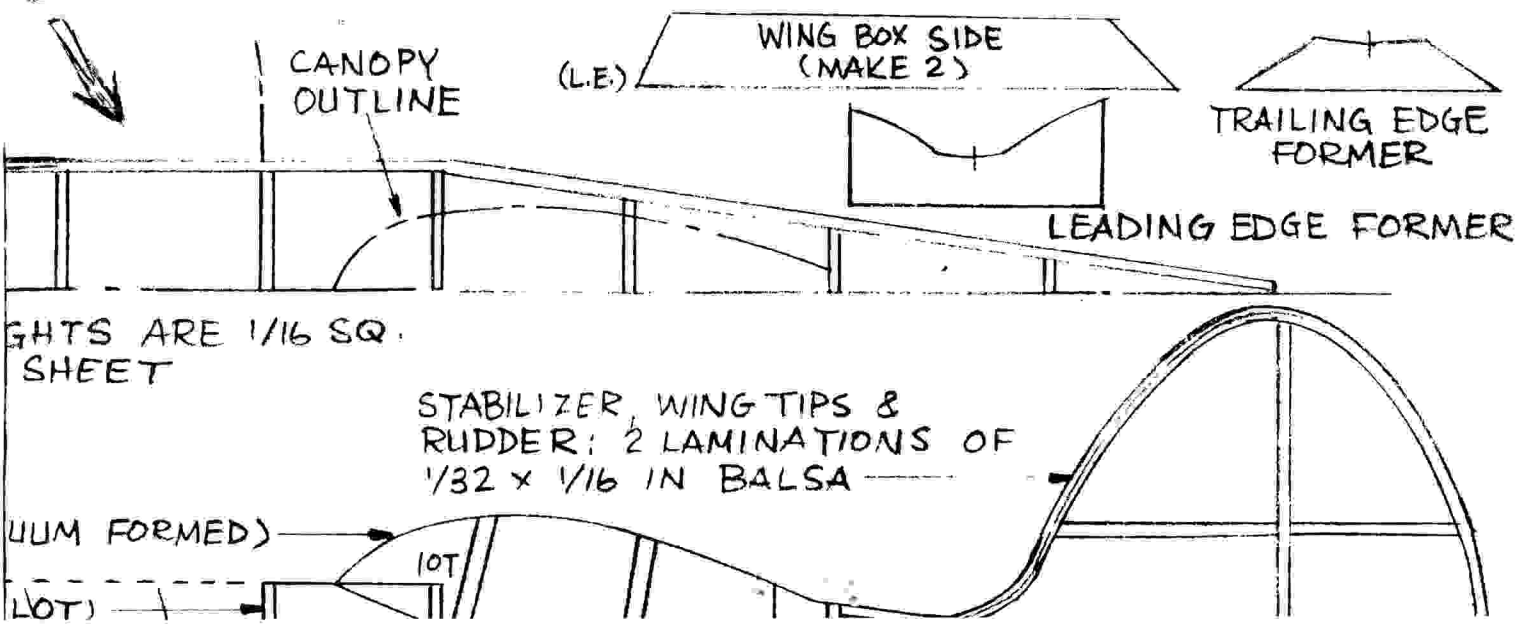
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6

(Below) This general arrangement drawing illustrates the IS-4 as originally projected, the lower side profile showing it as completed.



PLAN FROM FLYING MODELS





PISTACHIO REPORT — 8

Well, gang, the famous FILMORE TROPHY, was won, rather handily, by Millard Wells at Coral Shores school. This informal pistachio meet was a good chance to see what these little scalers can do. Millard entered 5 models in a field of 10, and finished 1,2,3,4,&5!. I think he knows somthing! (Flight times)

For the third time we had a R.O.W. event and NO ONE got off the lake. C'mon, pilots, either our pontoons are too big or the lake's too small.

For those of you who (Like me)lust after data, we present not only the winners, but some other information in the hopes that it is helpful to those who are trying to get a pistachio going.

1.M.Wells (SE-5,2 gms.,23.3) 2 Stat.,4 fly (28.4)(26.0) 6 Points
M.M.Wells(Andreason 22.3) 5 Stat.,2 fly (29.1)(31.1) 7 Pts.
2.D.Kiefer(Ganagobie 2.2gms.24.7)1 stat.,7 fly(21.7)(20.4) 8 Pts.
X.M.Wells(Waco SRE 2gm.,22.8)3 stat.,5 fly(29.4)(29.0) 8 Pts.
3.John Nartin(Stratoplane 2.2gm,22.5)4 stat.,6 fly(24.7)(20.8)10 Pts.
X.M.Wells(Wee Bee 1.5gm,9.0)10 stat., 1 fly. (48.0)(43.7) 11 Pts.
X.M.Wells(5 3/4" span Wee Bee,.08gm,11.6)8 Stat.,3 fly (28.0)(31.2)11Pts.
X.J.Martin(Dornier Merkur 2.5gm.,21.5)6 stat.,8 fly (21.5)(20.8)14 pts.
4.Carl Hedley(Profile Pilatus 1.1gm.14.5)7 stat.,10 fly (15)(16)17 pts.
X.D.Kiefer(Itoh 1.9 gm. 10.7)9 stat.,9 fly (15.4)(17.0) 18 pts.

FLYING ACES: Peanut & No-Cal Scale Postal Meet

Here it is again Skysters! The Peanut and No-Cal Postal Contest is on again. Open to all FACers everywhere! All you have to do is send in your times to GHQ when you fly your models. Everytime you better that mark, send it in also.

There will be an Indoor Wing and an Outdoor Wing for both kinds of models. Just jot down your times, the wing in which you flew, and the name of your ship. The contest starts right now and ends on April 15, 1984.

This is to give you something competitive to do during the off season. It will get the winners another notch on the "Kanone" list as well as a prize from GHQ.

If you fly in a contest during this period you may use that time as your entry if you wish.

OK, Ribslicers, go get-um!! Build...Fly...Win..EFF-AA-CEE

****

HANGAR PILOTS - SEND IN YOUR MAMA MEET TIMES TO

FLYING ACES. 3301 CINDY LANE ERIE, PA. 16506

THIS IS ALSO A GOOD WINTER EVENT FOR ALL, FLA. OR ELSEWHERE.



OUR MAN OUTSIDE

Terry Rimert

NOW IS THE TIME TO START ELECTING NEW OFFICIALS

A lot of people gripe about the way the AMA is run, but they don't do much to make it run better, or their way. Right now is the time to start working on getting things going your way.

More and more of the officials are RC flyers each time elections are held. More and more of these officials don't have any idea what free flight flyers, indoors or outdoors , do, not to mention what their wants and needs are. They have heard of free flight, but they certainly don't understand it.

We are going to loose another free flight flyer from the VP ranks next year. Jim Scarborough is going to give up his VP spot, and go back to flying models. If we don't get more free flight flyers to take the place of the ones who are quitting, we will have a executive counsel full of people who don't understand why we get upset when a model flyer tells how he started with free flight and "worked his way up to RC."

If anyone knows people who would be qualified to be on the AMA executive council, and wouldn't allow free flight flyers to be left out by involuntary exclusion, get him to run for his district VP position.

Besides getting people who understand free flight on the executive council, we need to keep the ones we have notified that we are out here. Write them and tell them what you want them to do. Don't just gripe, send them some solutions to the problems we have. It only takes a very small active group of people to influence the whole of AMA. The more letters they get the more free flighters they think there are. Another thing is the survey card you fill out when you renew your license. Don't put down general interest. Tell them you are interested in indoor or outdoor free flight. NOT Scale! They have enough scale RC flyers to keep scale going.

The key word is active. Get with it or expect free flight to go further down hill.

COVER STORY! Sue Arak, age 9, put down her impressions of the 1st Lakeland meet. The Hangar, the irritating Kids, The Blimp advertising IMAC, the indoor models, a Cannaveral Rocket are all on the Cover. THANKS, SUSAN

FREE FLIGHT IN 1984:

JAN. 15. MIAMA indoor fly-in. Blimp Hangar, Opa Locka.(Confirm,858-6363)

JAN. 21,22: MIAMA INDOOR CONTEST 3, (Confirmed) "Lakeland"Fla. at IMC's New Wales plant Sat. & Sun from 9 to 5. CD Ellis Oglesby 813-646-8375 [redacted]. This meet is at the very fine phosphate warehouse. (67')

Feb. 11 Normandy Mall, Jacksonville A-6 event and model display, also 12th.

Feb. 26 MIAMA Indoor Contest 4. Blimp Hangar, Opa Locka. 9 to 5. (Confirm)

INDOOR MIAMA CONTEST 5:

MARCH 17 & 18 CORRECTION-(Was listed as March 25)SUN AND FUN EAA FLY IN,MIAMA INDOOR MEET 5. Tentative as yet! Book your room NOW, and cancel it later if you must. Because of the EAA Fly-In they well be at a premium. Sat.- is the last day of this big meet for home builts and ultra lites, bring your camera for some fine documentation. Davis Motel,Bartow 813-533-0711 International Minerals & Chemical does not know if we can use their plant yet.

MARCH 25 INDOOR FLY IN Blimp Hangar, Opa Locka 9 to 5

APRIL 15 MIAMA INDOOR CONTEST 6 at Blimp Hangar, Opa Locka 9 to 5

MAY 13 FIRST WORLD PROXY PISTACHIO PRIX Blimp Hangar Opa Locka. For entry forms write to John Martin 2180 Tigertail Ave, Miami,Fla. 33133

MAY 19 & 20: MIAMA INDOOR CONTEST 7, Lakeland ,Fla. Tentative,Confirm?

FLYING ACES MASS LAUNCH EVENTS AT MEET 3 (Jan. 22) Peanut Biplane. At Meet 5 (March 18) Raceplanes, and Meet 7(May 20) Golden Age. Flying Aces rules, which allow only jap tissue covered peanuts.

MAY 26 & 27 REBEL RALLY, Jaxonville CD Fred Waring

JUNE 18 Father's Day..Start of Indoor week, WEST BADEN IND.,ENART; W.P.G.P. Details in next Issue. U.S. INDOOR CHAMPS

JULY 7 & 8: FLORIDA STATE CHAMPS. Melbourne, CD Joe Mead.

AUG 5-12 AMA NATS Reno.

JULY 14-15 UTICA, MICH FLYING ACES NATS CD RALPH KUENZ

FROM MIAMA: HAPPY NEW YEAR 1984

JIM MILLER
827 YORKHAVEN RD
CINCINNATI OH 45240

1ST CLASS
NOT JUNE 1ST

TO:

SEND IN YOUR QUESTIONNAIRES FROM 88 ISSUE!

THE LATEST INSIDE NEWS INSIDE
THE HANGAR PILOT
EDITOR: DR. JOHN D. MARTIN MMM
2180 TIGERTAIL MIAMI FLORIDA 33133

HAPPY NEW YEAR

NEXT FLY IN: JAN 15

NEXT MEET: JAN 21 + 22

"Interested in Jet-X flying, plans, fuel and engines? Would you be interested in a newsletter circulation connecting all of us together? I know the location of $2,000 of fuel, wick and kits. Send SASE for reply". Roger L. Wathen, 3242 N. DeQuincy, Indpls, Ind. 46218 Ph 1-317-547-5963

"Individuals, teachers, youth groups and libraries. I have the following model aviation mags for sale: M.A.N., M.B., A.M., A.A.M., F.M., A.T., M.A., No complete set will run more than $5.00 except A.M., A.T., and M.B. Send large SASE to Roger L. Wathen, 3242 N. DeQuincy, Indpls Ind. 46218 Ph 1 - 317 - 547-5963

New Source of Rubber - George Schroeder has secured an arrangement with a manufacturer to produce rubber to his specifications. It is being sold as "Champion Rubber". Initial batches check out at 3400 ft/lbs/lb. Rubber can also be returned for refund, credit, or exchange if you don't like it. Comes in 1/8, 3/16, and 1/4 at $11.95 a box. (Refn: BAT SHEET - T. Cashmen, Editor.

A new glue not to be over looked "Franklin Home, Shop & Craft Glue". A thick (no run, no drip) white glue, dries fast, fills gaps, dries clear, seals wood surfaces, and is fuel proof. It also retains some flexibility when dry for good impact resistance. (Refn: SATELLITE - Glueing Revisited by T. Rimert)

RIMERT'S RESIN!