LATEST INDOOR NEWS!

THE HANGAR PILOT

THE MIAMI INDOOR AIRCRAFT MODEL ASSN.

ISSUE #49
OCTOBER 1978
AMA CLUB 0886
M.I.A.M.A.

MIAMI, FLORIDA USA

SALUTES 1978 INDOOR WORLD CHAMPIONS -

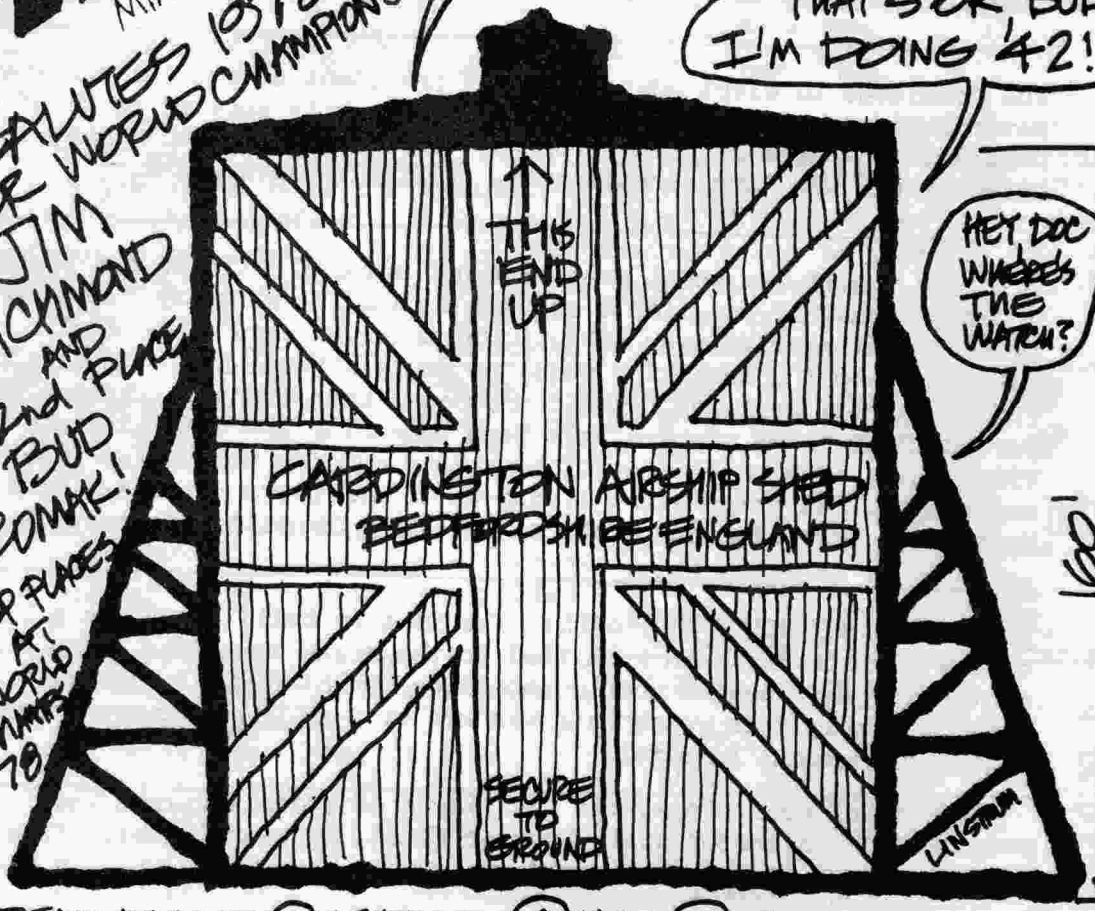
JIM RICHMOND AND 2nd PLACE BUD ROMAK!

TOP PLACES AT WORLD CHAMPS '78

HEY, JIM, I JUST DID 41 MINUTES!! WOW! ZOWIE!

THAT'S OK, BUD. I'M DOING 42!

HEY DOC WHERE'S THE WATCH?



TEAM PLACES (1) ENGLAND (2) USA (3) CANADA

THE HANGAR PILOT is published 8 times a season by Miami Indoor Aircraft Model Association (MIAMA), AMA Club 986, the only active all-indoor club in USA, and the only indoor club publication. For $5.00 a year you will receive all 8 publications, and for $10.00 a year you will get BOTH the Hangar Pilot, and be a MEMBER of MIAMA providing you are also an AMA member. MIAMA currently sponsors eight monthly indoor contests at which members earn points toward anual awards. Also an indefinite number of FLY-INS for comraderie and low pressure fun. We have a YOUTH COMMITTEE of ERNIE CLARK, MIKE ARAK, DAVE LINSTRUM, and associates who run Delta Dart , and associated neophyte events to encourage our young builders in indoor arts. MIAMA also sponsors the annual Time Trials at West Baden each year along with National Indoor Model Airplane Soc. (NIMAS). In addition we sponsor the Manhattan event at the Nats. Hangar Pilot staff is Doc Martin Pres./Editor, Dave Linstrum,artist contributor, Jim Whelan Secy/Treas. 274-4696, stolen material from other clubs newsletters and old magazines, and occasionally some fresh material contributed by one of our readers....HOW ABOUT YOU ???

The Committee to elect JOHN BYRNE for president of the AMA has sent us several pieces of literature. JOHN is currently serving as VP of AMA Dist II. He has a 12 point program, very active and ambitious, is well liked by his New York constituants. LITERATURE AVAILABLE.

Over the Summer the model press has had several articles and features a bout MIAMA. If you didn't know we were a'lil 'ol'bitty 25 member club (With a mailing list over 100), you'd think we were a Big club. Something about a squeaking wheel no doubt..' Model Aviation' gave the THNIRT a great write up, as did the Sept. Issue of Model Builder. Also various MIAMA club members have been appearing in Model Airplane News' VTO cplumn. Next meet they'll be waitin outside the Hangar for our autographs. We gotta start living up to our press notices. Both Bob Meuser and Dave Linstrum wrote up our Proxy Manhattan Contest..Good pics.

TWO NEW PEANUT RULES PROPOSALS: The idea to build peanut to a 13" span or a 9" length has been submitted to the scale committee. Also a rule mentioning that peanut models should be RUBBER POWERED. In case you haven't heard, this years nats was won by a .020 gas powered peanut. Shades of Maxwell Bassett!!

Speaking of good press, the Aug. issue of Model Airplane News presented Doc's indoor scale Dornier Komet, in peanut size. This good old flyer is a perfect project for the beginner. Who sez MAN only prints R/C stuff?

GET TOGETHER TO START THE 1978-79 SEASON (2)

A meeting of all hangar pilots is called on SUN OCT8: from 2:00 to 6:00. Bring old magazines, plans, new models, or half built ones, and check

DAN KILGORE's model material. 871 SW 49 Terr PLANTATION. 587-1688

Take I-95 to Davie exit. Go west about 2 miles to State Road 7. Go right for one block. Left on Peters road 3/4 mile to 49 Terr. Right to 871.



ORGANISATIONAL MEETING FOR NEW SEASON.. BRING YOUR IDEAS...!!

GOODYEAR NOTES :

In early Sept. the Mayflower I, our home town blimp, was destroyed in the Carolinas in a heavy storm. Mayflower II, an all new version a full 30 feet longer is under construction to be finished at the end of 1978. Certain problems surface. It is now too long to land at Opa Locka where Mayflower I had problems landing. The proposals are to house II on Virginia Key, and to build a new hangar there to house it. All that is needed is some cooperation from the City, and no objections from the neighbors. We of MIAMA certainly hope these plans work out.

CLIP AND SAVE

FLYING SCHEDULE :

Confirm by calling 858-6363 the night before the meet.....

GOODYEAR CONTESTS. For Annual Points:

1. Oct. 22-9:00 to 5:00 Opa-LockaBlimp Hangar.
2. November 19 Same as above

December meet- None-due to poor attendance in past three seasons.

3. Janua ry	21	Opa	Locka	9 to 5
4. February	18	"	"	"
5. March	25	"	"	"
6. April	29	"	"	"
7. May	27	"	"	"

FLY INS P-P-FUN

Bring out your strange ones, we promise not to laugh.

BAYFRONT AUDITORIUM, MIAMI, SUNDAYS FROM 1 TO 5 499 Biscayne Blvd. Miami, Fla

NOV 5 -	MARCH 4
DEC 3	APRIL 8
JAN 7	MAY 13
FEB 4	MORE DETAILS ON FLYINS LATER.....

(3) MIAMA HALL OF FAME 1977-78

The winners of our eight contest season, including many out of town entries who have not as yet picked up their gorgeous trophies.

STATE CHAMP: ROMAN SZYMULA... First in Penny Plne, Paper stick, EZB, and HL stick.

RUNNER-Up: JOHN MARTIN. First in scale and peanut.

MANHATTAN: First Ernie Clark.....Second Dan Kilgore.

JIM STEWART: 2nd in EZB, Peanut, Paper Stick.

RON SHARPTON: 2nd Penny Plane.

DICK KELSO: 2nd Scale. HEATHER ARAK: 1ST PENNY PLANE (J)

JOHN ARTHUR: 1st Glider, MIKE ARAK, 2nd Glider.

THOSE WHO HAVEN'T GOTTEN THEIR TROPHIES PLEASE SEE DOC, & GET THEM) AND A KISS ON BOTH CHEEKS.

DELTA DART CO-CHAMPIONS: HEATHER ARAK AND CHRIS NORRIS

JUNIOR/SENIOR STATE CHAMP: JIM SMEAD. First in glider and EZB.

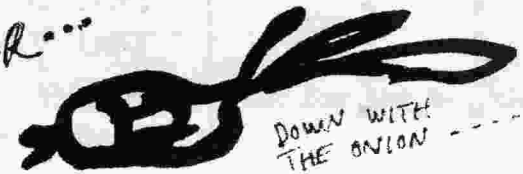
FINAL STANDINGS:

1.	Roman Szymula	41	12.	Carl Hedley	8
2.	John Martin	39	13.	Jim Smead (S)	8
3.	Jim Stewart	31.	14.	Walt Everson	6
4.	John Arthur	24	16.	Fulton Hungerford	5
5.	Dan Kilgore	20	17.	Heather Arak(Jr)	4
6.	Ron Sharpton	20	18.	Carl Linstrum (J)	2
7.	Mike Arak	17	19.	Billy Hiscock(Jr)	2
8.	Ernie Clark	11	20	Nick DeCarlis(S)	2
9.	Blane Miller	10	21.	Bob Willis	2
9.	Terry Rimert	10	22.	Dave Linstrum	2
9.	Bill Smead	10.	23.	Allen Honey(S)	1
12.	Dick Kelso	8	24.	Charles Slater(S)	1
			25.	Jeff Everson (Jr)	1
			26.	Jim Whelan	1

THREE CHEERS FOR THE ACTIVE PARTICIPANTS! INDOOR LIVES!

THE ANNUAL ONION AWARDS TO MIAMA NON-PARTICIPANTS WHO EARNED THE NON-SUPPORTIVE, BACK SLIDING, GOOF OFF AWARDS: In order not to annoy and embarras many people, the onion award will not be made this year.....ALTHOUGH THOSE OUT THERE WHO DESERVE THEM KNOW WHO THEY ARE.

FLY INDOOR...



FLY MIAMA!

FROM THE HORSES MOUTH - AND OTHER ORIFICES:

Ah, my, where do we start? So much has happened since MIAMA convened last Father's Day to eat, and hand out lies and trophies.

IS THERE INDOOR AFTER DEATH? There is encouraging and reassuring new studies that suggest this possibility. A "clinically dead modeler" on resucitation remembers the smell of microfilm solution. Dr. Fong suggests that oxygen deprevation could have caused hallucinations, However the modeler states that no indoor man "could confuse the smell of microfilm and either." We say right on, Eternal Indoor.

NATS MANHATTAN REPORT: The Burton Colliseum was a pleasant surprise. Much better than the Civic Center from previous Lake Charles Nats, the site had a dirt floor, was hot and humid (Naturally), but was 107 feet 7 inches high, and had enough floor space for a bucking bronco or an indoor ROG cabin model. Yep, Burton was built for the cow folks, but it sure was a good indoor site. A very "clean" ceiling devoid of light standards, strings, beams etc. etc. No hang ups. Humidity was the killer, for balsa tubing motor sticks (We saw several collapse under full winds) and for rubber (Snap), and for condenser paper (Wring it out), and the same for tissue covered scale models...Boy, what wrinkles!! Your wing loading increased as the evening wore on. Water was the cargo. H_2O. This scene made Miami seem arid. More and more power was needed. But where were the Manhattans? For the second year in a row the field was four. If this happens again next year (We will give it one more try)... up yours! It just doesn't seem worthwhile. In N.Y. and here in Miami a local Manhattan meet can draw 8 to 12 entries, but the Nats pull FOUR!! What the hell. We must be doing something wrong. There were more officials than contestants: Duke Donovan and Anne, Terry Rimert, Linstrum and Martin, and Stewart. The results: Tom Sutter of Texas, who was second last year in Cal., nosed out Bill Shailor for first. The times were not too shabby despite the small field:

	Wt.	Power	Prop	Time:
1. TOM SUTTER	4.8 gm.	.107 (7/64)	$12\frac{1}{4}$ x 25	5:54.4
2. Bill Shailor	4.0	.093	$14\frac{1}{2}$	5:40
3. Bob Dunham	5.1 Gm.	.107	$13\frac{1}{2}$	4:57.5
4. Dave Hagan	4.3 Gm.	.088 FAI	12"	:30

Measurements, weights, etc. courtesy Duke Donovan

MEETING: OCT 8 - KILGORE'S! SEE PAGE 2

1ST CONTEST OCT 22 SEE PAGE 2

Sturdi-Built Model Aircraft - 5147 N. E. Sandy Blvd.

SUPER DETAIL KIT • *Portland, Oregon*

VENTURA TUBE

BLACK

RED

— OBSERVATION WINDOW ON BOTTOM OF FUSELAGE. INDICATED BY DOTTED LINES

R 1

R 2

R 3

R 4

R 5

R 6

R 7

R 8

R 9

R 10

R 11

R 12

CENTER SECTION

— ELEVATOR —

1/16 x 1/2"

CEMENT

1/16 SQ.

← ALUMINUM WIRE

WING BUTT DETAIL — BLACK LINES INDICATE 1/16" SQ CONSTRUCTION BETWEEN BULKHEADS 4 AND 5. —

÷ COLOR SCHEME ÷
FUSELAGE — GRAY
COWLING — BLACK
MARKINGS & FAIRINGS - RED
WINGS & ELEVATORS - RED
WING NUMBERS - WHITE

LOOP ANTENNA

NAVIGATORS COMPARTMENT

COMPASS

TRIPLE) → VENTURA TUBES

HATCH

TAKE SPECIAL NOTE OF POSITION OF STRINGERS ON B.6 →

GLUE ELEVATOR ON DOTTED RIB TO LINE INDICATED. →

B-1.

U.A.C.H.-ANT25
C.A.H.I.-ANT25

SOFT IRON WIRE HINGES

— RED —

1/16 SQ.

PUSH HOLE THRU WOOD WITH PIN. INSERT HINGE WIRE AND CEMENT.

FLAT NAILS SANDED TO TAPER

TAIL LIGHT

B4. →

B5. →

B6. →

B7. →

B8. →

B9. →

Сталинский маршрут

RUDDER & ELEVATOR

— DETAIL —
BUILD SINGLE FRAME THEN ADD 1/16 SQ ON EACH SIDE AND SAND TO TAPER.

SENDING ANT.

WHEEL HOUSING

AUXILARY — RECEIVING ANT.

RADIO ANTENNA

URSS. ON THIS WING PANEL

EXSTENDED POSITION WHEN IN USE ALOFT.

PEANUT SIZE. LENGTH 9" SPAN 20 1/2"

PETO TUBE

ANOTHER AT SAME LOCATION ON LEFT WING.

SLANT RIB NO. 5 — 1/8 INCH.

R.5.

R.4.

2½" DIHEDRAL

HHF

RADIO COMPASS

"THE MARCH OF STALIN" AS IT STOOD AT REST ON THE GREEN TURF OF PEARSON FIELD, VANCOUVER, WASH. A SISTER SHIP — ESTABLISHED A NEW LONG DISTANCE — FLIGHT RECORD OF OVER 6,000 MILES JULY 14, 1937. A THIRD, A FOUR MOTORED SHIP WAS FORCED DOWN DUE TO ENGINE FAILURE ON AUGUST 14th SOMEWHERE IN THE UNKNOWN ARCTIC.

GASOLINE TAP.

SENDING ANT.

RECEIVING ANTENNA

WHEEL HOUSING

2½" DIHEDRAL AT TIPS

Moscow

THIRD EXPEDITION LOST AUG. 14.

NORTH POLE

Fairbanks

SEATTLE

PORTLAND

VANCOUVER, WASH.

LANDING SITE OF FIRST RUSSIAN EXPEDITION. FORCED DOWN BY POOR VISIBILITY JUNE 20, 1937.

OAKLAND

SAN FRANCISCO

N.

W. E.

S.

LOS ANGELES

San Jacinto

WHERE SECOND EXPEDITION ENDED DUE TO LEAKY GAS LINE JULY 14.

ANT 25
1st SOVIET TRANS-POLAR PLANE
SCALE 7/16" TO 1 FT.
Designed from actual plane by H.H. Flick

A 'NEW RULER' PEANUT - FROM DAVE HAGAN

SEE WRITE UP, PAGE (9)

RESULTS CHART: 1978 INDOOR WORLD CHAMPS

									TOTAL
1.	J. RICHMOND	US	41:49	36:52	42:53	31:16	-----	-----	84:42
2.	B. ROMAK	US	40:55	40:27	13:43	28:58	31:51	33:22	81:22
3.	R. HIGGS	CDN	35:16	39:44	9:18	30:57	14:37	36:45	76:29
4.	D. SIEBENMANN	CH	13:05	30:32	37:23	8:34	32:32	37:30	74:53
5.	L. BARR	GB	11:03	37:23	24:54	15:15	36:34	1:13	73:57
6.	S. NONAKA	J	28:33	33:05	40:36	27:11	12:28	25:55	73:41
7.	J. MCGILLIVRAY	CDN	35:45	37:20	-----	25:42	36:19	34:44	73:39
8.	E. CIAPALA	PL	34:43	38:15	11:39	12:59	34:51	34:06	73:13
9.	R. GREEN	GB	6:40	29:28	33:44	22:38	39:18	10:36	73:02
10.	R. BUTTY	CH	34:37	28:52	37:17	24:31	27:03	33:23	71:54
11.	D. MORLEY	GB	30:45	32:57	38:06	31:00	25:41	33:22	71:28
12.	C. WOLTHOORN	NL	31:20	36:20	34:58	33:02	12:47	35:01	71:21
13.	V. KMOCH	YU	30:28	33:40	37:05	24:09	26:31	-----	70:45
14.	K. VOGLER	BRD	8:38	30:12	34:29	29:38	36:03	23:47	70:32
15.	Y. BANBA	J	34:33	35:27	39:22	25:01	30:23	-----	70:00
16.	W. HULBERT	US	34:39	26:38	23:48	33:10	31:49	34:38	69:17
17.	E. CHLUBNY	CZ	33:31	35:40	-----	22:52	32:22	-----	69:11
18.	J. DIHM	PL	32:58	30:55	34:17	31:44	6:15	-----	67:15
19.	T. MATSUZAWA	J	:14	35:40	27:03	31:17	30:09	22:44	66:57
20.	K. RYBECKY	CZ	32:23	10:39	9:06	29:34	33:21	30:49	65:44
21.	H. EROFEJEFF	SF	30:32	29:46	33:03	32:25	30:10	12:15	65:28
22.	C. COTUGNO	I	34:15	8:00	30:59	29:47	-----	0:20	65:14
23.	F. MIGANI	I	27:01	1:48	33:13	28:57	11:52	31:40	64:53
24.	R. CZECHOWSKI	PL	31:06	27:59	33:47	19:42	10:07	28:36	64:53
25.	S-O. LINDEN	S	16:18	24:00	32:54	20:50	31:34	29:41	64:28

26.	J. KALINA	CZ	11:48	29:47	3Ø:Ø3	31:4Ø	31:16	26:ØØ	62:56
27.	M. THOMAS	CDN	6:43	26:32	31:15	27:12	24:15	31:29	62:44
28.	K. NOTTELMANN	BRD	5:18	19:22	32:Ø7	28:43	11:4Ø	-----	6Ø:5Ø
29.	L. GABRIJEL	YU	26:Ø7	33:28	-----	31:17	8:45	29:Ø9	6Ø:45
3Ø.	D. DOMINA	US	23:14	11:23	3Ø:33	14:ØØ	25:51	29:53	6Ø:26
31.	W. BEEKMEYER	NL	28:11	26:44	3Ø:37	19:13	-----	-----	58:48
32.	H. RAULIO	SF	15:55	23:52	29:22	25:5Ø	25:19	27:Ø9	56:31
33.	G. MASCIULLO	I	16:24	23:Ø3	24:Ø8	26:56	28:18	9:31	55:14
34.	T. STRAZBERGER	YU	22:15	Ø:42	31:27	23:Ø4	21:3Ø	23:16	54:43
35.	S. PONTAN	S	16:24	15:39	27:31	25:Ø4	22:47	21:15	52:35
36.	W. WETZEL	BRD	14:29	26:48	25:1Ø	23:28	22:55	25:28	52:16
37.	M. SITAR	AUS	21:41	24:26	27:39	5:19	-----	-----	52:Ø5
38.	T. FORSS	SF	17:36	2Ø:47	22:32	27:Ø5	16:27	6:46	49:37
39.	E. LIEM	NL	:47	19:Ø7	25:42	2Ø:Ø2	23:48	19:36	49:3Ø
4Ø.	A. JONSSON	S	13:24	19:Ø8	18:4Ø	14:56	-----	-----	37:48

TEAM PLACINGS

	NATION	TOTAL		NATION	TOTAL
1.	UNITED KINGDOM	218:27 (GB)	8.	ITALY	185:21 (I)
2.	UNITED STATES	214:25 (US)	9.	WEST GERMANY	183:38 (BRD)
3.	CANADA	212:52 (CDN)	1Ø.	NETHERLANDS	179:39 (NL)
4.	JAPAN	21Ø:38 (J)	11.	FINLAND	171:36 (SF)
5.	POLAND	2Ø5:21 (PL)	12.	SWEDEN	154:51 (S)
6.	CHECHOSLOVAKIA	197:51 (CZ)	13.	SWITZERLAND	146:47 (CH)
7.	YUGOSLAVIA	186:13 (YU)	14.	AUSTRALIA	52:Ø5 (AUS)

(9) USA 1st + 2nd in WORLD CHAMPS, 2ND IN TEAM AT CARDINGTON

It was a fine meet in excellent weather with 40 flyers from 14 countries. Jim Richmond, whose last flying was at the THNIRT, distinguished himself and USA by winning individual honors, and the Kopeckny Trophy. In team competition Bill Hulbert put up a solid performance for 16th place, while Domina had nothing but problems for two days. England won the Team effort for the first time ever- a popular victory for Lorrie Barr, Ron Green, and Dale Morley. The Canadian team was a surprise third with an outstanding showing of R. Higgs who was third overall. The most improved team was Japan in forth place, well ahead of the more proven eastern European teams of Poland, Czechoslovakia, and Yugoslavia. Bud Romak, though not a team member, flew himself into 2nd place as defending world champ. The Swiss had 2 in the top 10, but no 3rd team flyer!

The most exciting and outstanding time is the Awards banquet. a room ful of the nicest people you will ever meet. Very moving.

* * * * * *

JOHN TRIOLO DOES 10:43 TO WIN FIRST LAKEHURST MANHATTAN CONTEST FROM ED WHITTEN!

Billed as 'The Battle of the Titans', the contest was just that. Walt Van Gorder came flying (literally) out of the Midwest to post 9 minute flights that led the pack all day. John Triolo, who had set a Lakehurst record of 10:25 on July 15th, was up against the girders as 7 PM marked the contest's end. So was Walt. Both got their best times of the day. John landed first at 10:43.0, and Walt at 9:57.2. Walt seemed more disappointed at missing 10 minutes than by losing to John. Quite a duel!

1) John Triolo	10:43.0	6) Ron Williams	7:55.0
2) Walt Van Gorder	9:57.2	(Proxied by Mark Drela)	
3) Frank Haynes	8:30.2	7) Bill Tyler	7:52.1
4) Pete Andrews	8:22.0	8) Ed Whitten	2:03.5
5) Richard Whitten	8:02.1	9) Joe Nuszer, Sr.	x
		10) Manny Radoff	x

Sponsored by Ed Whitten, cups were awarded to 5th place. High humidity caused problems, and more than one model had to have balsa wing braces to keep tips from flexing. The New York Official Rules sensibly allow this. They also allow the very popular innovation of an unlimited number of official flights.

How's this for contest statistics? 1 ten minute flight, 7 nine, 11 eight, 15 seven, 7 six, and 2 flights five minutes long....and this doesn't count several times not reported as they were lower than the contestants' best so far.

We really appreciate Walt's two friends, Bill and Don Asbury, who flew Walt and Mike Van Gorder in their Cessna 195 from Ohio. Incidentally, Mark Drela set an unofficial world's record with a 35 cm model. His average time of 26:22.7 beats Laurie Barr's record.

* * * * *

MIAMA WINS AWARD OF EXCELLENCE (10)

On July 8th , District V's Vice President Jim McNeill made an appearance at the Hangar, without previous notice. It is always good to see Jim but this time it was especially nice since he had some good tidings for MIAMA. He had suggested us for the AMA AWARD OF EXCELLENCE and HQ in Washington concurred to bestow upon us this special honor. So front and center all you hangar pilots to have this ribbon pinned on your tunic by Pershing. To my knowledge, only two other clubs in the USA have been given this award. We have a nice wall plaque for the club house, and all MIAMA members are entitled to wear the AMA jacket patch that tells the world you are a member of an "Excellent" club. We knew it all along, but did THEY? By the way I just happen to have a supply of these nice looking jacket patches that I will bring to Contest #1 on Oct.22. Just the thing to tone up your "Rubber Power" T shirt.

In addition to the above honor, the MIAMA club scale flyers will be in a forthcoming AMA movie, as yet untitled,that will be all about every aspect of Scale competition. Jay Gerber, AMA (And NFL) professional movie photographer shot lots of footage at the Goodyear Hangar while our peanut and AMA scalers were doing their stuff. He got a lot of good stuff, but I'm sure by the time that the film is finished with the proper amount of CL Scale, RC Scale,Jumbo Scale, Gas Scale, FF Scale, etc.,the Indoor Scale will still have a certain small, but interesting part edited from the footage. We will obtain the film and show it at some future meeting.

DON'T BE PARANOID.....I'M NOT PARANOID, I'M JUST MAD BECAUSE EVERYONE IS AGAINST ME. (Line from MASH).

SUBSCRIBE TO HANGAR PILOT

IS THERE A BIG FAT X IN THIS BOX ??????

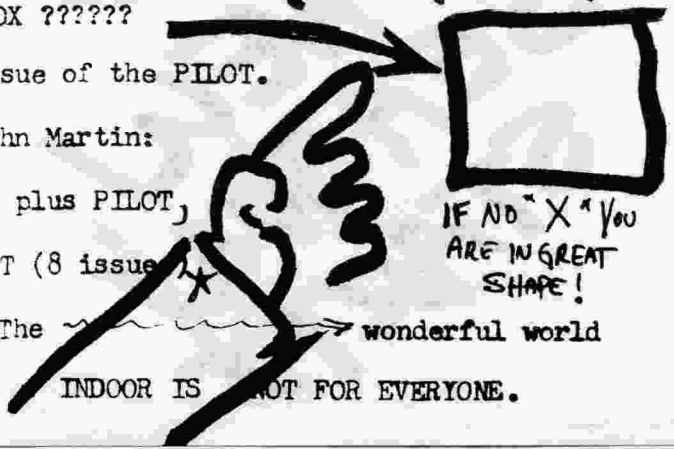
If there is, this is your LAST issue of the PILOT.

Kindly send to 3227 Darwin St.,John Martin:

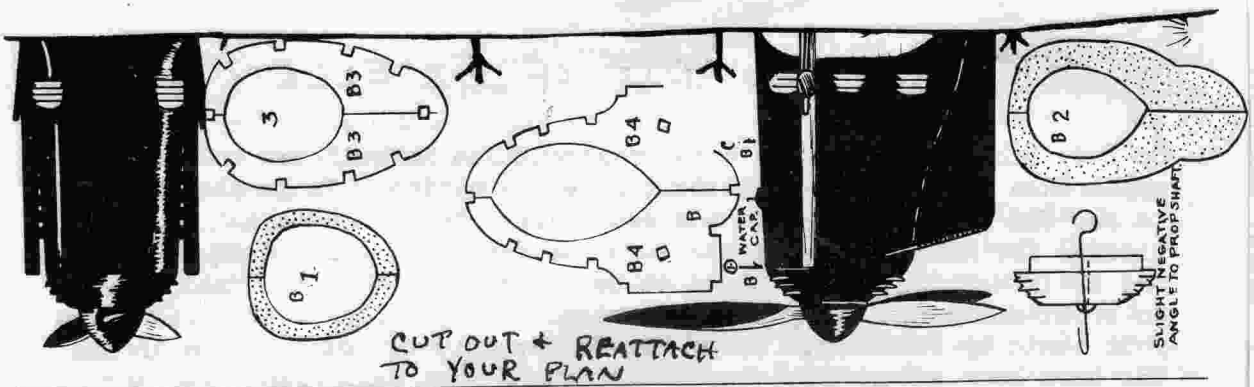
(1) Ten Bucks for membership in MIAMA plus PILOT,

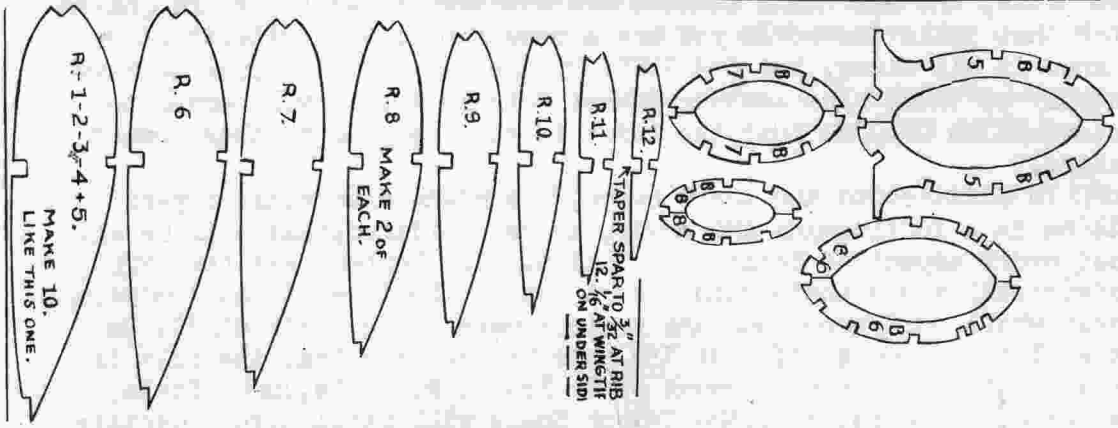
(2) or Five Bucks for one year's PILOT (8 issues)

Keep your Hangar Pilot coming... The wonderful world of indoor modeling.



INDOOR IS NOT FOR EVERYONE.





THE HANGAR PILOT

EDITOR: DR. JOHN B. MARTIN MIAMA
3227 DARWIN ST. MIAMI FLORIDA 33133

A NEW SEASON STARTS

TO:

1ST CLASS
NOT JUNQUE MAIL