THE HANGAR PILOT

ISSUE #23
MARCH 1975
PUBLISHED BY METRO DADE COUNTY PARK AND RECREATION DEPT. FOR MIAMI INDOOR AIRCRAFT MODEL ASSOC. AMA CLUB 986



FLORIDA RECORDS INDOOR

CATAGORY I: OPEN CLASS

PEANUT - BEST FLITE	RUSS DORSEY	5/27/73	1:31.2
BEST 3 FLITE TOTAL	" " "	" "	3:53.1
SCALE -	JOHN MARTIN	1:48.7	3/18/73
EZB -	JOHN ARTHUR	7:51.8	6/25/72
PENNY -	GARY MYERS	6:52.5	11/18/73
STICK -	ROMAN SZYMULA	14:35.0	10/13/74
GLIDER -	JOHN ARTHUR	67.4	12/16/73
PAPER STICK	GARY MYERS	8:25.0	4/15/73

JR/SR CLASS

EZB -	RICK MYERS	6:03.0	5/27/73
PENNY -	RICK MYERS	4:59.0	2/11/73
SCALE -	KARL GEBHART	44.1	
GLIDER -	MARK BAILEY	39.8	4/15/73

CATAGORY II: OPEN CLASS

PEANUT - BEST FLITE	JOHN MARTIN	90	2/16/75
BEST 2 OF 9:	JOHN MARTIN	2:42	2/16/75
SCALE:	JOHN MARTIN	1:51.6	5/26/74
EZB:	GARY MYERS	9:42.0	3/16/74
PENNY:	GARY MYERS	7:51.0	3/16/74
STICK:	ROMAN SZYMULA	18:59.1	1/19/75
GLIDER:	RICK CHOATE	101.9	4/28/74
PAPER STICK:	ROMAN SZYMULA	12:02.8	1/19/75

JR/SR CLASS: EZB CHAS. SLATER 9:35 2/16/75
PENNY: CHARLES SLATER 6:20.9 1/19/75
SCALE: KEVIN SMITH 45.0 2/16/75
GLIDER: JOHN ARTHUR JR 50.3 2/16/75

NEXT CONTEST:
MARCH 16
BLIMP BASE
9 TO 4:30

NEXT FLY-IN AT JFK GYM APRIL 6 9 TO 2

THE HANGAR PILOT ISSUE NUMBER 23 MARCH 1975 Published by the Metropolitan Dade County Park and Recreation Dept. for Miami Indoor Aircraft Model Assoc., AMA Club 986. Editor/Pres. Dr. John Martin
3227 Darwin St, Miami Fla. 33133

FLY-IN GOOFED!

APPOLOGIES ON FLY-IN SNAFU AT JFK ON MARCH 2..OUR FIRST SCHEDULING GOOF OF THE YEAR OCCURRED WHEN GYMNAST COMPETITION WAS SCHEDULED ON SAME DATE WITHOUT NOTIFYING US,HENCE NO FLY IN.

OBSERVATIONS ON CONTEST #5:

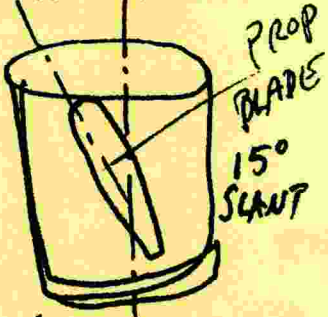
Jim Rice and Howard Heminger responded to our call for more officials, and we hope to call on them again. Even though the contest ended at 5:00 (Five) we still hung around the hangar too long, SO we'll conclude Contest 6 at 4:30 in order to be OUT by 5 O'clock. We don't wan'T to wear out our welcome. Please, gang, pack up and split at the end of the meet, and we' will meet at LUMs to rehash , and give out awards from the previous meet.

Indoor builder Dan Belieff came to town from Wheaton MD, entered three events and won glider from perennial winner John Arthur. England's foremost peanuteer, and Captain of U K's indoor FAI team last summer at Lakehurst, Butch Hadland brought over two immaculate peanut scale models for our contest He set a MIAMA scale point record of 32 with his 1912 Blackburn Monoplane, but his Wittman Tailwind did the best flying-around a minute ROG. Doc Martin set two new peanut records with his new Lacey M-10...1:30 for a single flight and 2:42 for a 2 flite total. Charles Slater had a sensational 9:35 in EZB and Kevin Smith got in a scale flight of 45.0..both flights were new records. Dick Kelso continues to improve in scale, and Ernie Clark finally broke five minutes in Penny. Bill Mrazak looked in on us the first time in 2 years...how about some flying, Bill? Bill Hiscock was mysteriously absent allowing Jim Stewart to pull further ahead in annual points.. Butch Hadland wished to be remembered to all those he met here and would like to see you at the Cardington Shed for the FAI indoor World Champs in 1976. He supplied the Hangar Pilot with his chart for accurately plottin the helical pitch for your next prop. Save it, its a real time saver and a great aid for building an efficient fan.

REMAINING DATES 1975

MARCH 16 - CONTEST #6 OPA LOCKA
APRIL 6 - FLY-IN - JFK GYM
APRIL 20 (TENTATIVE) - CONTEST #7
MAY 4 FLY-IN - JFK GYM
MAY 25 - LAST CONTEST
JUNE 22 - AWARDS BANQUET
JUNE 29 - 2ND ANNUAL ALL SCALE MEET - CD HOWARD HEMINGER
AUG 3+4 - INDOOR NATS

FOR USE WITH PROP CHART ON PAGES 4+5:



6" DIAM CAN FOR EASY B
(2" DIAM. JUICE OR V-8 CAN FOR PEANUT)

RESULTS OF CONTEST NUMBER FIVE FEB. 16th OPA LOCKA GOODYEAR HANGAR

PEANUT SCALE,OPEN:
1. John Martin 2 points(Lacey M-10)(24.5) 1 looks, 1 flite (72.0)(90.0) ☆
2. Butch Hadland 5 points(Wittman T. 23.5)2 looks,3 flite(57.1)(59.8)
3. Jim Stewart 5 points(CessnaC-37 19.0) 3 looks,2 flite (63)(69.8)
4. JIM Whelan 8 points(Nesmith Cougar 10.0)4 looks,4 flite(34)(34.5)

SCALE JR/SR:
1.Kevin Smith 3 points(P.Porter 18) 2 looks 1 flite (45.0) ☆
2.Allen Honey 4 points(Waco E 24) 1 looks, 3 flite (2.5)
3.Charles Slater 5 points(C. Robin 16.5) 3 looks, 2 flite(28.7)

☆ = NEW FLA. RECORD

OPEN:
1.John Martin 3 points(Lacey M-10 24.5) 2 looks, 1 flite(60.2)
2.Butch Hadland 6 points(Blackburn 32.0) 1 looks, 5 flite(21.0)
3.Jim Stewart 6 points(Stinson Voyager 13)4 looks, 2 flite(57.6)
4.Dick Kelso 7 points(Fairchild 24 16.0)3 looks,4 flite (30.5)
5.Jim Whelan 8 points(N. Cougar 10.0) 5 looks, 3 flite (34.5)

EZB JR/SR: 1. Charles Slater 9:35 ☆
2.Allen Honey 5:05.6
3. Kevin Smith 1:17

OPEN EZB: 1.Jim Stewart 8:02.3
2.John Martin 6:24.8
3.Roman Szymula 6:07.2
4.Duke Donovan 5:58.0
5.Linda Foulk 5:04.2

PENNY PLANE OPEN:1.JIM Stewart 7:52.4
2.Ernie Clark 5:18.2
3.Duke Donovan 1:39
4. Linda Foulk :31.0

JR/SR: 1.Charles SLATER 3:28
2.Allen Honey 30.6

OPEN STICK: R.Szymula 16:10.4

PAPER STICK 1.John Martin 7:36
2.Jim Stewart 2:42
3.Dan Belieff :20

OPEN GLIDER: 1.Dan Belieff (42.2)(43.6)
2. John Arthur(40.1)(37.9)
3.Jim Whelan(25.0)(8.0)
4.Jim Stewart(18.2)

JR/SR GLIDER:
1.John Arthur Jr. (25.0)(25.3) ☆
2.Kevin Smith (10.8)(15)
3.Allen Honey (10)(9)

THIRTY SEVEN ENTRIES.....

ANNUAL POINTS AFTER FIVE CONTESTS:

1. Jim Stewart	63	19.Dan Kilgore	3
2.John Martin	56	20.Rick Myers	3
3.Bill Hiscock	40	21.Fulton Hungerford	3
4.Charles Slater	28	23.Allen Szabo	2
5.Roman Szymula	26		
6.Jim Whelan	26		
7.Allen Honey	23		
8. Kevin Smith	20		
9. Gary Myers	12		
10.John Arthur	10		
10.Duke Donovan	10		
12.Butch Hadland	7		
13.Dick Kelso	6		
13.John Arthur Jr.	6		
15.Cliff McCallum	5		
15.Linda Foulk	5		
15.Dan Belieff	5		
18.Billy Hiscock	4		
18.Ernie Clark	4		

REMEMBER- TOP 15 MIAMA GET FREE BLIMP TRIP

CURRENT INDOOR RECORDS:

INDOOR, AMA CEILING CAT. I

Category	Age	Min/Sec	Held By
ROG Stick	Jr.	5:04.2	Jeff Hardcastle
"	Sr.	5:11.4	Jeff Hardcastle
"	Op.	12:10.0	Hubert Entrop
Paper Stick	Jr.	7:23.0	Jeff Hardcastle
"	Sr.	11:58.0	Robert Dunham, II
"	Op.	15:23.0	Stan Chilton
HL Stick	Jr.	9:24.0	Kristi Brock
"	Sr.	13:44.6	Richard Whitten
"	Op.	21:06.2	Robert Platt, Jr.
ROG Cabin	Jr.	4:32.4	Richard Whitten
"	Sr.	7:10.0	Robert Dunham, II
"	Op.	17:49.4	Robert Randolph
Autogiro	Jr.	00:46.2	Mindi Linstrum
"	Sr.	00:22.0	Joseph Mekina
"	Op.	4:19.0	Ronald Ganser
Heli-copter	Jr.	2:22.6	Dan Aggers
"	Sr.	4:32.0	Ronnie Stransky
"	Op.	10:36.0	William Phillips
Orni-topter	Jr.	00:51.4	Doug DePaul
"	Sr.	00:25.2	Phil Hainer, Jr.
"	Op.	3:30.0	Kenneth Johnson
H.L.G.	Jr.	1:02.4	B. Scott Wisniewski
"	Sr.	1:13.6	George Armstead, III
"	Op.	1:18.8	Daniel G. Belieff
FAI Stick	Jr.	9:24.0	Kristi Brock
"	Sr.	13:44.6	Richard Whitten
"	Op.	21:45.0	Harold L. Crane

INDOOR, FAI CEILINGS--AGES COMB.

Category	C/Ht	Min/Sec	Held By
FAI Stick	I	22:08.0	Harold L. Crane
"	II	18:10.0	John English
"	III	30:35.0	Larry Cailliau
"	IV	41:43.0	Merrick Andrews

INDOOR, AMA CEILING CAT. II

Category	Age	Min/Sec	Held By
ROG Stick	Jr.	5:29.6	Jeff Hardcastle
"	Sr.	10:33.2	Ronald J. Ganser
"	Op.	15:53.2	Joseph F. Hindes
Paper Stick	Jr.	15:13.2	Dan Brown
"	Sr.	19:34.2	Tom Sova
"	Op.	23:19.0	Lawrence Cailliau
HL Stick	Jr.	18:21.2	Jimmy Clem
"	Sr.	24:19.0	Ronald Ganser
"	Op.	34:57.0	James Richmond
ROG Cabin	Jr.	11:41.8	Gregory J. Simon
"	Sr.	15:42.2	Tom Sova
"	Op.	23:19.4	Robert Randolph
Autogiro	Jr.	00:55.0	Mindi Linstrum
"	Sr.	No Record Established	
"	Op.	6:32.8	Walter Erbach
Heli-copter	Jr.	6:20.8	Joel Foner
"	Sr.	4:47.8	Ronald Ganser
"	Op.	7:31.8	Thomas F. Vallee
Orni-thopter	Jr.	00:30.0	Susan Johnson
"	Sr.	1:09.0	Robert Postage
"	Op.	5:15.2	Kenneth B. Johnson
H.L.G.	Jr.	1:50.0	Keith Gordey
"	Sr.	2:09.8	Robert W. Hayes
"	Op.	2:22.8	Bucky Servaites
FAI Stick	Jr.	18:21.0	Jimmy Clem
"	Sr.	24:13.0	Tom Sova
"	Op.	30:35.0	Larry Cailliau

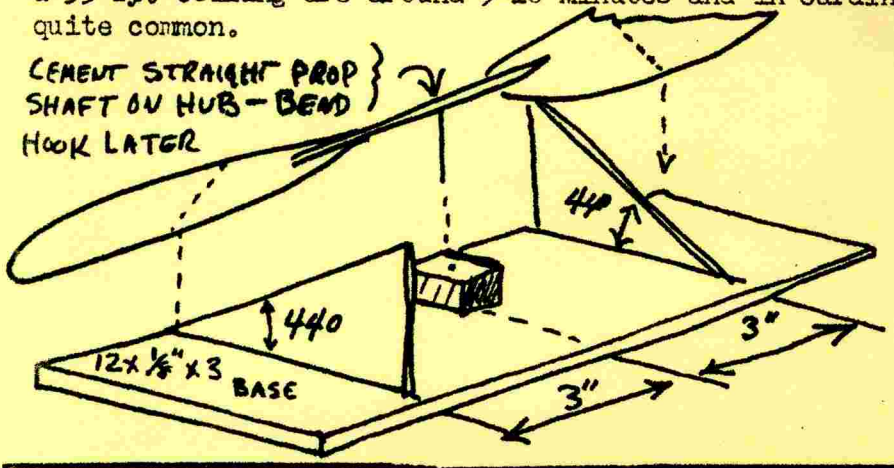
HADLAND CHART EXPLANATION:

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This chart greatly simplifies all problems relating to setting up the correct pitch on all props be they EZB, Peanut, FAI, or Wakefield.

The sketch shows a typical jig for an easy B or Penny Plane prop with a diameter of 12 inches, and a 18" pitch. The nominal pitch templates are set up 3" from the prop center. (I.E. 3 in. radius--Left vertical column on the chart) Looking horizontally from the 3" radius position to the vertical line corresponding to 18" pitch. Note that the angle required on your jig triangles is 44 degrees. For greater accuracy you may install pitch triangles at 1" intervals for the complete diameter of your prop. A good "Norm" for most props (to start with) is pitch at 1½ times diameter i.e. EZB 12x18, FiD 20x 30, Peanut 4 x 6, 5 x 7½

My own EZB weighs 1.1 grams, has a 12 x 18 prop (5" blades 1" wide) as described above, and uses a loop of .040 Pirelli weighing .75 grams. Times under a 35 ft. ceiling are around 9-10 minutes and in Cardington 14-15 minutes are quite common.





NEW HANGAR PILOT MATTHEW ANDERSON MARTIN

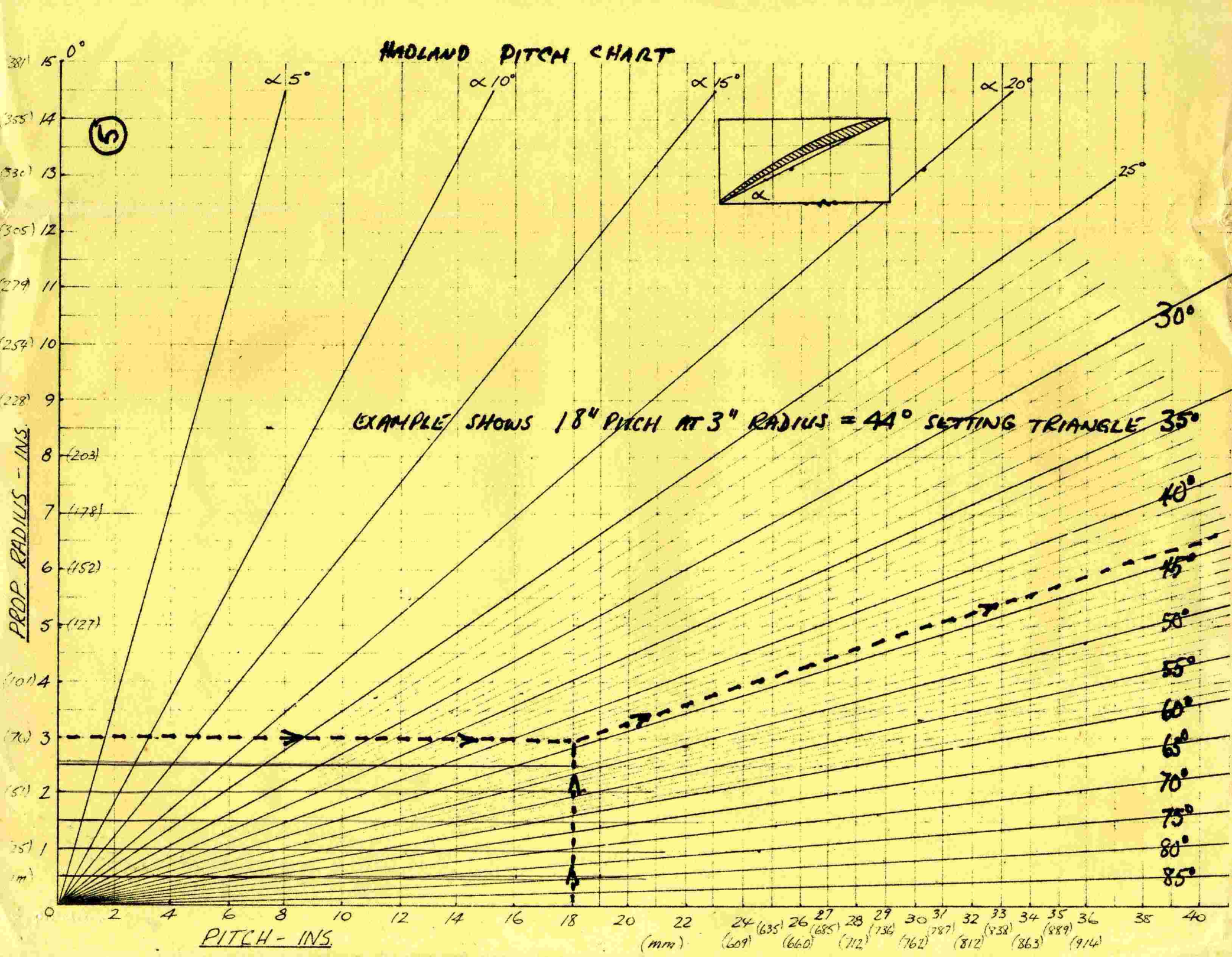
TENTATIVE SCHEDULE, 1975 NATIONAL CONTEST, LAKE CHARLES, LA.

(To be finalized by AMA Executive Council, February 15)

	Sunday August 3	Monday August 4	Tuesday August 5	Wednesday August 6	Thursday August 7	Friday August 8	Saturday August 9	Sunday August 10
FF Free Flight 8 am-5 pm except as noted. FAI events by rounds planned for 6:30 am start, 8 pm end.	Indoor HL Glider 9 am-5 pm AMA Scale 5-9 pm Pennyplane 5-9 pm	Indoor 9 am-5 pm Stick Cabin Paper Stick FAI Stick Easy B	A-2 Towline B Gas Payload	A-2 Towline Flyoffs A Gas Unlim. Rub. Rub. Speed	FAI Power A-1 Towline HL Glider D Gas Scale Rubber 8 am-noon Scale Gas 8 am-noon Peanut Scale 8 am-noon	FAI Power Flyoffs 1/2A Gas Coupe d'H. Helicopter Cl. III Cargo	Wakefield C Gas Rocket ROW Gas	Wakefield Flyoffs
CL Control Line 8 am-noon and 1-5 pm except as noted. Event time schedules may be revised depending upon weather and number of en entrants.	PLAN AHEAD	Sr. Combat 1-5 pm Jr. Rat R. 8 am-noon Sr. Rat R. 1-5 pm	Sr. Combat 1/2A Prof. Proto Op. Rat R. Prof. Carrier	Op. Combat 1/2A Speed Jr. Stunt 1-5 pm Op. Scale R. Carrier I Carrier II	Op. Combat Finals Jet Speed C Speed Sr. Stunt Jr. Scale R. 8 am-noon Sr. Scale R. 1-5 pm AMA Scale noon-8 pm	FAI Combat B Proto B Speed Form. 40 Op. Stunt FAI Team R* Jr-Sr. Mouse R. Cl. II	Jr. Slow Combat 8-10 am Sr. Slow Combat 10 am-noon Op. Slow Combat 1-5 pm A Speed FAI Speed Op. Stunt Finals 10-am-2pm J. Walker Fly-off 3 pm Op. Mouse R. Cl. II	
				*Will not be held if Team Finals is held in conjunction w/Nats				
RC Radio Control	8 am-2 pm	Q.M. Pylon	Q.M. Pylon	Q.M. Pylon	Form. I	Form. I	Form. I	Sport Scale 8 am-noon & 1-6 pm
	2 pm-8 pm	A & B Pattern	A & B Pattern	D Pattern Qual.	D Pattern Qual.	D Pat. Finals AMA Scale	D Pat. Finals AMA Scale	
	Soaring 8 am-4 pm	Scale Standard Open	Scale Standard Open	Scale Standard Open				

NATS INDOOR HEADQUARTERS: DOWNTOWNER MOTOR INN LAKE CHARLES, SINGLE $14.00 DOUBLE $22.00 - RESERVE EARLY - STAY WITH NIMAS!

HADLAND PITCH CHART



LETTERS TO MIAMA : FROM THE AIR FORCE - ⑥

From Germany comes a letter from glider pilot Ric Choate who had to leave Miami last year, but was reminiscing just a bit when he wrote the letter most of which is reproduced below just to make you bums realize how lucky you are :

"Have been receiving the "Hangar Pilot" and it really has been a welcome sight over here. As I view MIAMA from afar it is easy to see that you all have truly built a fantastic club. It has outstanding support from Dade County, and the flying site is the finest Catagory II site in the entire country as far as I'm concerned. I really miss those monthly meets at the Blimp Hangar. Even though I never flew anything but HLG there there were still a dozen things I wanted to try- different airfoils, different weights, different wing spans, and a lot of other things (I'm still convinced one min. is possible in that hangar). I also enjoyed just sitting around and watching the Penny Planes, and the micro-jobs float about. A lot of people would give their eye teeth to be in a club like that. I'm certainly glad I was for a while, and I hope the current members don't ever take MIAMA for granted. It takes their support. Also the support Goodyear has given the club has simply been terrific....makes me want to go out and buy a set of Goodyear Radials! Those free blimp rides are just another example of this, and their monthly loan of the hangar is another. The club is well established and has become something of a permanent fixture, and I wish I could be there..what man would not covet winning the BALSA MAX? What red blooded modeller would not thrill at the snap and crunch of their aging scapulas while giving their all on that last gargantuan heave? Which of us would not become giddy perched atop a 50 foot ladder reaching into the MANN rafters for a worthless piece of balsa wood? Who has not tasted the bitterness of watching his creation beat itself to pieces against the girders, and come fluttering down around his feet?...Or the supreme joy of squeezing those extra few seconds out of that model you never thought could do it? And who hasn't gone home after a meet, tired hot and dirty, and laid in bed that night before drifting off to sleep, and thought about the events of that day and been happy? Who would doubt that the week following a successful meet was just a little easier to face? I'm not sure I could answer no to any of these questions.

Haven't found an indoor site over here. Weather is usually bad and wet so outdoors is out of the question. I don't knowwhen the Europeans find the time to get so good in FAI events , but they sure haven't been doing it since I've been here.

Must close for now.,best regards Ric Choate."

(Ric attended the first indoor contest in Dade county, an informal gathering on Halloween Sun. Oct. 31 at the Dade Armory on 7th Ave in 1971 .. He still holds the MIAMA HLG record set last year. Thanks Ric for putting on paper some thoughts we've all had but never expressed. I'm sure Ric would appreciate some modeller mail: Capt. Ric Choate Box 2567 APO N.Y. 09332)

Thanks Ric !

FROM MARYLAND :

TOM VALLEE of 444 Henryton So, Laurel Md. 20810 writes "Up here we have been following the developemant of your indoor activity with well organized contests at a good site with interest. We are forming an all indoor group here with emphasis on lighter events. As soon as we get going we'll be available for postal meets in EZB paper stick, FAI, etc. If any of your flyers need some pointers on these lighter craft, I'll be glad to answer any questions I can.

Thanks Tom !

FROM CALIFORNIA :

Gary Myers wants to hear from the gang: GARY MYERS
416C
FASHION PARK AV.
ORANGE CAL 92666