THE HANGAR PILOT

UNPREDICTABLE

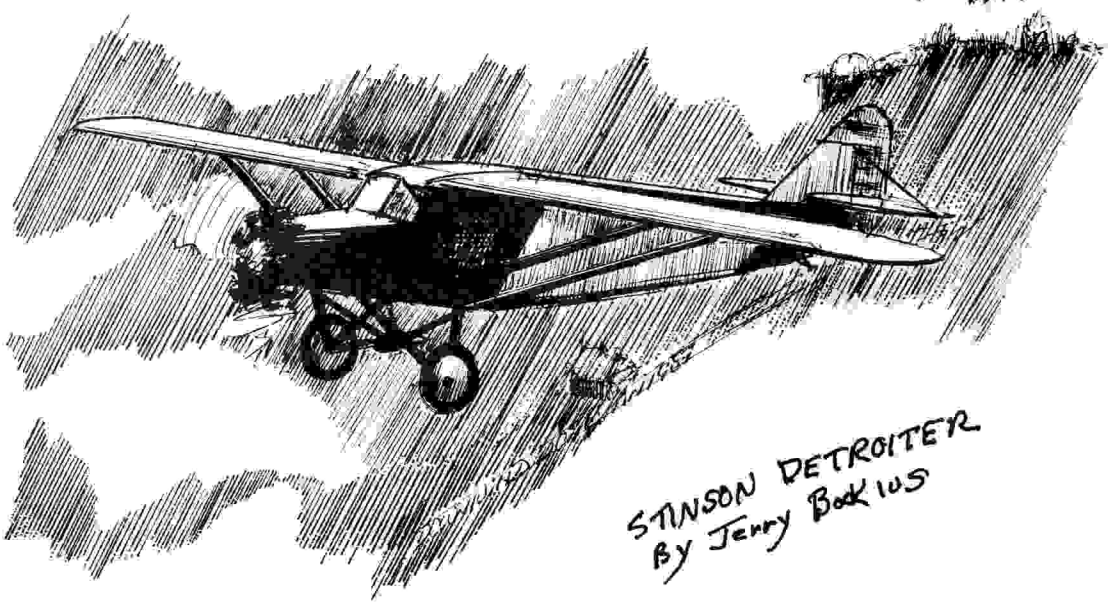
18TH YEAR OF PUBLICATION

INDOOR ISN'T FOR EVERYONE

ISSUE 128

THIS ISSUE IS DEDICATED TO ALL THOSE WHO LIKE TO POUR OVER ENDLESS RESULTS & STATISTICS FOR HOURS AND HOURS.

- LAST MIAMA MEET RESULTS
- JOHNSON CITY NFFS RESULTS
- ENDLESS OTHER RESULTS
- MIAMA STATE CHAMPIONS
- ALL BALSA METHOD PISTACHIO PLAN



STINSON DETROITER
By Jerry Bockius

NEXT LOCAL MIAMA EVENT:
THE GREAT FLA KEYS RISE OF WATER EVENT - AUG 12+13 ISLAMORADA, FLA

(1)



"LIKE A LETTER FROM HOME" WHELAN

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 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!!!

LAST MIAMA MEET 1988-89 SEASON

Eighteen contestants turned out for the last meet at Hangar 5 and we had two days of exciting competition where the state championship went right down to the wire. Everybody flew like Moody's goose!!

Want to hear a sad story? I did a career best in Federation ROG (3:39) and my best ever in Catapult Glider (81.5), and finished dead last in both events. I think the MIAMA guys are getting pretty good.

Tony Becker had one of his best meets, and bested his arch rival Dick Obarski in 3 of 4 events. These guys go at it like Sherlock Holmes and Professor Moriarity. Tony won Federation ROG, Easy B, and Novice Penny Plane. The win in Penny Plane was achieved despite the hangar door being open for about half of the flight.

George Nunez won his first Kanone in FAC Scale with his beautiful Sopwith Triplane over Rich MacEntee's new Gere Sport. Rich used the Gere to win peanut scale. Another first Kanone was earned by Walt Everson when he prevailed over seven entrants in the FAC Modern Mass Launch event with his fine peanut FOUND.. Wayne Trivin picked up a pair of wins in Bostonian and Catapult Glider ... and set a new state Cat III record in glider at 100.7. Judi Cohen entered her first models in her first meet, a Comet Bellanca in FAC, and a pretty M-10 in peanut that scored a fine 130.2 A great first effort. What a war.. final point standings are listed elswhere in this issue after a hard fought 5 meet campaign. Congratulations to the winners and a great deal of fun to all who participated.

See Page 10 for this season's winners.
All club member standings will be next issue.

MIAMA FINAL MEET MAY 13,14 1989

(2)

PEANUT SCALE EVENT/ Plane	Static/	2 best flight	/	TOTAL
1.Rich MacEntee, Gere Sport	93.2	68.3	72.1	163.4
2.John Tudor, Voisin Hydro	105.2	43.0	60.9	162.6
3.Wayne Trivin, Cougar	76.2	89	89.6 (Max)	152.4
4.John Martin, Astra	93.2	48.0	64.2	149.3
5.Millard Wells, Waco Cabin	80.4	59.8	61.1	140.8
6.George Nunez, Nieuport 27	100.8	37	36.6	137.6
7.Judi Cohen, Lacey	83.2	49.7	44.3	130.2
8.B.Criss, Pilatus Porter	68.8	48	49	117.3
9.Walt Everson, Found	68.0	45.0	53.0	117.0
10.Walt Schlesinger, Drurine Turb	72.8	20.3	16.0	90.5

Also Entered: Trivin, Balilla 98.8, Wells: Farman 65, Monocoupe 79.2, Buffalo 75.4 Wily Post, and Nunez: Buffalo 78

FAC SCALE EVENT: Plane/	Static/	Best flight	Total
1.George Nunez, Sopwith Tripe	79.5	53.6	133.1
2.Rich MacEntee, Gere Sport	68.5	1:08 = 64	132.5
3.John Martin, Astra Kamferer	66.5	53.5	120.0
4.John Tudor, Fairchild F2-C	57.7	41.9	99.6
5.Dick Obarski, Curtiss Robin	32.5	1:03.9 = 61.9	94.4
6.Judi Cohen, Comet Bellanca	52.7	38.1	90.8
7.Walt Schlesinger, Pilatus	48.8	31.8	79.6
8.Millard Wells, Stinson SR-7	35.4	41.6	77.0

COCONUT SCALE:

1.Dave Linstrum, Dornier Static:	1 Fly 51.2,	(1)	2Pts.
2.Millard Wells, Ford 2-AT	1	40.4 (2)	3 Pts
3.John Tudor, Bellanca	2	39.0 (3)	5 Pts.

LO-CAL SCALE: ★ STATE RECORD

1.J.Martin, Dayton 2:01.5
2.Everson, 727 ;08
3.Linstrum, Dayton :05

BOSTONIAN EVENT:

1.-Wayne Trivin	1.12 Charisma	393.1
2.Rich MacEntee-Old Boston	1.10	365.2
3.Tony Becker-Old Philly	1.10	227.7
4.George Leffler	1.09	219.0
5.Walt Everson-Revere's Ghost	1.03	206
6.Dick Obarski-Twin Pusher	1.16	196.0
7.R.Laudati-Cabinaire	1.10	169.4
8.Millard Wells-Vagabost	1.04	166.7
9.John Martin-Spirit of J.C.	1.12	145.4
10.W.Stoutenberg - Pup	1.09	114.4
11.Bill Criss	1.10	101.6
12.Walt Schlesinger	1.09	61.8

FEDERATION ROG:

1.Tony Becker ROG	4:27
2. Wayne Trivin	4:26
3.Dick Obarski	4:23
4.Rich MacEntee	3:47
5.John Martin	3:39.2

NOVICE PENNY PLANE:

1.Tony Becker	9:42
2.Dick Obarski	8:56
3.Wayne Trivin	8:00

RESULTS CONT. ON PAGE 13

ALL BALSA PISTACHIO PT-19

(3) By Dave Robelen - A MIAMA ORIGINAL PLAN

Using my PT-19 as an example, I will breifly discuss the concepts of this technique of scale modeling.

Model shape and outline- take directly from scale drawings. Only enlarge tail or alter dihedral in extreme cases. The PT-19 works fine with no changes.

Fuselage- Use light balsa (6#) stock. Tack glue two halves together about the vertical c/l. Shape the outside just like a solid model, then split apart and hollow to a very thin wall, especially toward the rear., A Dremel grinding stone mounted on a small electric motor is a great tool for this task- also some dental burrs. 1/64 plwood works great for a nose face when fitting a nose block.

Wings- Use a shallow undercambered airfoil- form just like a prop blade. Start with i/32 balsa and thin to .015 at tips. Protect the L.E. with a paper strip on the bottom.

Tail surfaces- Sand very light balsa to .005-.008 thickness and cut to outline.

Use .012-.015 for propshaft and landing gear, adding balsa fairings as apprpriate.

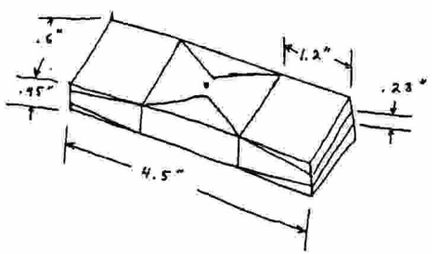
Color model by airbrush spraying with very thin dope-use it like a stain. Felt pens are fine also.

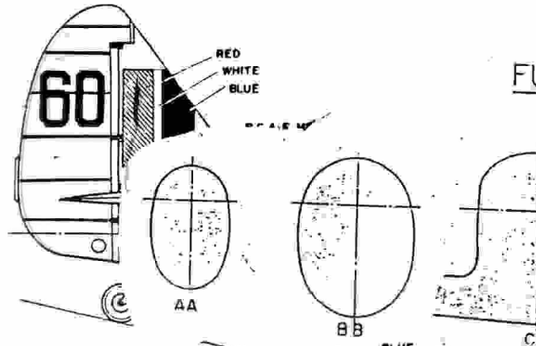
Complete model with noseweight but less motor should weigh 2.5-2.6 grams (for a monoplane).

Flight trim- Set C.G. 15-20% aft of wing L.E. with motor installed. Trim for a left circle as follows- left thrust (2-3), left rudder, right roll(washin left, washout right) adjust elevator as needed.

Power- I use a loop of Micro-x .035 rubber 11.5 long.

SOLID BALSA PROP BLOCK LAYOUT





FUSELAGE SECTIONS

(12)

OVERALL COLOR OF CANADIAN PT-26 - CHROME YELLOW

WIND DRIVEN GENERATOR

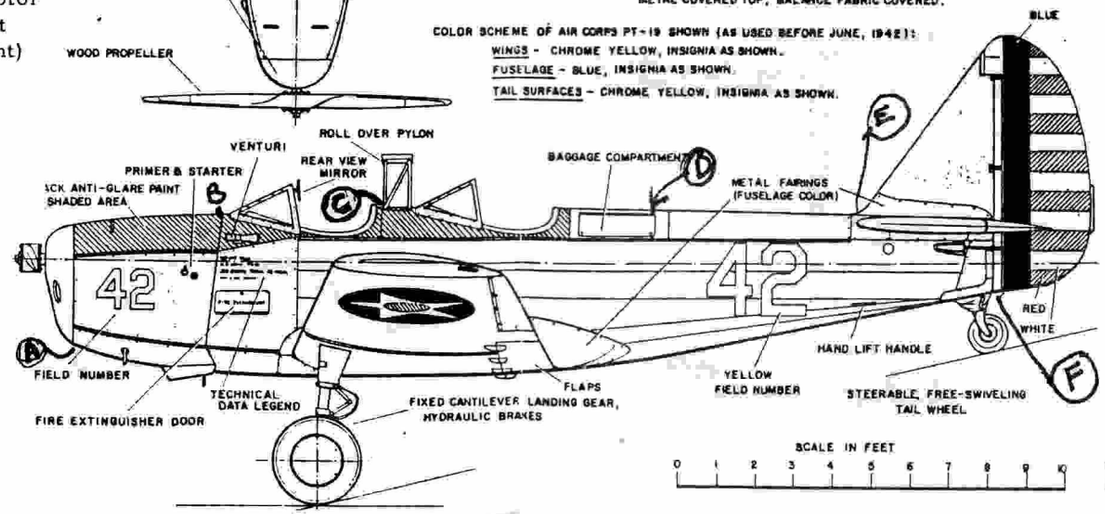
PITOT TUBE

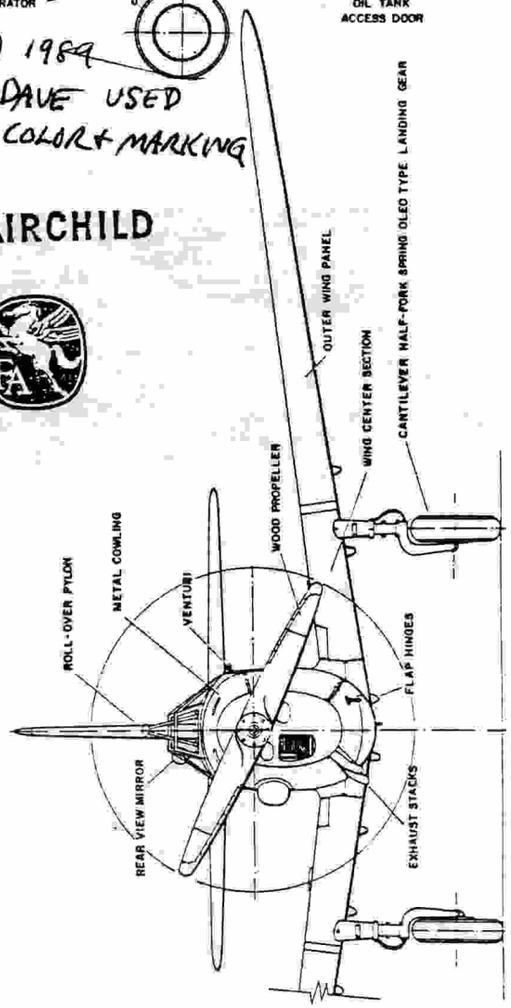
EXHAUST STACKS

OIL TANK ACCESS DOOR

MILLARD WELLS FLEW THIS TO 2ND PLACE IN 1984 INTERGNATS. 40.5 SEC IN 27' GYM. DAVE USED LOTS OF DETAILS + GOOD COLOR + MARKING CAT III

FAIRCHILD





FAIRCHILD PT-19

JOHNSON CITY REPORT JUNE 1,2,3,4,'89

In all there were 15 MIAMA members supporting Tony Italiano and the NFFS (4) efforts, a really fine turn out. Here are the best efforts of some members and though there were many more plaques and places we mention only the top.

FRANK KIESER.. 1st ornithopter
DAVE LINSTRUM..1st in Kit Plan
DOC MARTIN .. 1st in Peanut, 4th AMA Scale
Dave Aronstein.1st Fed.ROG.World Record - 7:01
GEORGE NUNEZ..2nd Peanut Speed, 1ST PISTACHIO
DICK OBARSKI..1st ROG Stick
WAYNE TRIVIN..2nd Bostonian, 1ST PIST
RICH MACENTEE..3rd AMA Scale
5th Peanut Scale

You will be reading about the NFFS Johnson City meet in the big slick model publications, but most of the following event results will not appear, so here is to all you who finished 28th but still did your personal best time. We want you to see how YOU did, and maybe next year you will do better. You will note that the Florida Fed ROG team finished 7th in a field of 7. We have a lot of room for improvement. Lo-Cal scale really took off with 39 entries, and Bostonian had a big 36.

JOHNSON CITY INDOOR SCALE REPORT: Kit Plan had 23 entrants (18 flew), MIAMA Pistachio had 21 entrants (17 flew), Lo-Cal had 39 entrants (23 flew) AMA Peanut had 27 entrants (19 flew), AMA Scale had 14 entrants (11 flew), plus 36 "scale like" Bostonians(28 flew). So, not counting the Bostonians there were 124 scale entrants...take heart indoor scale fans. Tony Italiano had increased the time for flying these events so the schedule was MUCH BETTER than in 1988.

MIAMA PISTACHIO G.PRIX

		Static points	2 best flight Total	flight points	Total
1	George Nunez Sopwith Triplane	1	50.2	10	11
1TIE	Wayne Trivin Cougar	8	103.9	3	11
3.	Millard Wells Fokker Triplane	5	63.4	7	12
4.	Richard Miller Isaacs Fury	6	69.5	8	14
X	Millard Wells S.E.-5	4	56.2	9	13
X	George Nunez Breguet transport	2	25.3	14	16
X	Millard Wells Waco E	7	56.2	9	16
X	Millard Wells Wee Bee	15	171.0	1	16
* 5.	Doc Martin Hergt Mono	11	63.0	8	19
6.	Mike Arak Lacey M-10	9	41.0	11	20
X.	Millard Wells Huntington H-12	17	125.0	2	19
X.	Doc Martin Rex Scout	8	27.3	13	21
X.	Richard Miller Waco E	14	69.5	6	20
7.	Burr Stanton Contestar	16	79.0	4	20
8.	Stu Weckerly 14-Bis	18	72.6	5	23
9.	Terry Hreno Bonzo Racer	10	17.0	15	25

FIRST MODEL OF A MODEL: Burr Stanton, Guppy 90 sec 2 flights
Others entered: Linstrum DORNIER, Nunez, Fokker DVIII, & CAUDRON

* YES, ITS OK TO FLY IN YOUR OWN EVENT

KIT PLAN REPORT

Don Lindley's Kit Plan event was unexpectedly very popular this year at Johnson City. It is judged by fidelity to the original plan, plus the best two ROG flights. The two dozen entries looked like the window of a 1930's model shop....except the planes flew a heck of lot better than they did then. Here are the results that will never be seen in any major model publications or any small ones either:

RESULTS OF JOHNSON CITY KIT PLAN EVENT:

ENTRANT	STATIC	TWO BEST FLY	TOTAL
1.Dave Linstrum	94	94	282
2.Jim Miller	93	93	279
*3.Don Lindley	96	90	273
4.John Blair	92	82	266
5.Dave Aronstein	88	88	264
6.Dave Linstrum	89	76	243
7.Rich Macentee	90	79	240
8.Tony Sutter	89	70	233
9.Bill Criss	91	68	238

	STAT.	FLY	TOTAL
10.Doc Martin	82	68	67	217
11.O.Curth	95	48	59	202
12.Walt Everson	84	62	68	214
13.P.Avery	89	49	51	189
14.Ed Konefes	97	43	46	186
15.D. Livesay	86	51	45	182
16.P. Avery	87	45	46	178
17.Tony Sutter	88	32	51	171
18.Millard Wells	80	24	26	128

Five more entered..no flight.

* YES, ITS OK TO FLY IN YOUR OWN EVENT

OUR LOSS

Anthony Becker of Sun City Center, Florida died on May 17,1989 of heart failure, at the age of 64. He was a very giving and caring individual who always made time to help others. He was a prominent indoor modeller and record holder in Philadelphia in the 40's and 50's and did much to foster the activity in his retirement years in Florida as an organizer and a keen competitor. We shall miss him. Our heartfelt sympathy to his wife and family.



The MIAMA host for the Annual State Fed ROG Challenge is gone, but in the future this annual event will be know as the Tony Becker Federation ROG event. Thanks to Tony Sutter and the Barber's for this years State Challenge awards.

Here they are,pilots. Some, but not all results of the Johnson City meet. This is what is happening now days in a modern major indoor model meet. All the events and times for your amusement:

PEANUT SCALE -OPEN-

Name		Subject	BEST FLIGHT	2ND FLIGHT	AVERAGE BEST 2	SCALE POINTS	TOTAL POINTS	PLACE
John	Martin	Astra	97.2	92.8	95.0	97.2	192.2	1
Jim	Miller	Santos Dumont 14 bis	85.8	83.2	84.5	105.4	189.9	2
Bill	Henderson	Bleriot VII	88.4	88.4	88.4	88.4	176.8	3
Ken	Groves	Bristol Scout D	61.0	60.0	60.5	112.5	173.0	4
Dick	MacEntee	Contestor	83.4	77.0	80.2	89.4	169.6	5
Jim	Miller	1911 Voisin Hydroplane	52.4	49.0	50.7	116.4	167.1	6
Howard	Henderson	J3 Cub	78.8	75.9	77.3	78.8	156.2	7
Stu	Weckerly	Santo Dumont 14 bis	78.0	78.0	78.0	78.0	156.0	8
Tom	Nied	Bucker Jungman BU131	71.2	70.2	70.7	84.8	155.5	9
Dave	Aronstein	Nauboussin	76.8	76.8	76.8	76.8	153.7	10
Wayne	Trivin	Nesmith Cougar	75.6	75.6	75.6	75.6	151.2	11
George	Nunez	Hispano Tripe	42.5	41.4	42.0	107.1	149.1	12
Bob	Loeffler	Fike	71.3	64.0	67.7	77.2	144.9	13
Millard	Wells	Nagow Waco	67.2	66.0	66.6	77.0	143.6	14
Walt	Everson	Found	73.3	66.8	70.1	73.3	143.4	15
Millard	Wells	Single place Wee Bee	68.2	68.2	68.2	67.0	135.2	16
Dave	Livesay	Mr. Smoothie	62.8	62.8	62.8	62.8	125.6	17
George	Nunez	Brewster Buffalo	40.7	40.3	40.5	77.0	117.5	18
Curt	Haskell	Mr. Mulligan	38.8	38.2	38.5	74.1	112.6	19
Jim	Davidson	P-51	0.0	0.0	0.0	97.4	0.0	0
Jim	Davidson	Cougar	0.0	0.0	0.0	76.4	0.0	0
Walt	Everson	Waco SRE	0.0	0.0	0.0	64.2	0.0	0
Millard	Wells	Gee Bee Sr	0.0	0.0	0.0	84.8	0.0	0
Jim	Grant	Cranwell Cla3	0.0	0.0	0.0	90.4	0.0	0
Walt	Everson	Vagabond	0.0	0.0	0.0	65.9	0.0	0
Millard	Wells	Brewster	0.0	0.0	0.0	75.4	0.0	0
Millard	Wells	two place Wee Bee	0.0	0.0	0.0	68.2	0.0	0

NO-CAL - COMBINED AGES

Name		1	2	3	4	5	Best Flight	Place
Chuck	Slusarczyk	04:15	04:31	04:38	05:03		05:03	1
John	Marett	03:40	04:38	04:09			04:38	2
Bill	Henderson	03:40	00:41	01:12	03:05		03:40	3
Terry	Hreno	02:49	01:43	01:54	02:16	03:21	03:21	4
Stu	Weckerly	02:39	00:34	02:50	02:55	03:10	03:10	5
Dave	Aronstein	03:00	03:09				03:09	6
Jim	Miller	02:31	02:53				02:53	7
Ken	Groves	02:48	02:52	02:44	02:26	02:39	02:52	8
Bob	Butsch	02:10	01:28	02:20	02:47		02:47	9
John	Voorhees	01:18	02:42	02:44	02:33	01:33	02:44	10
John	Blair	02:05	01:58	02:09	02:22	02:41	02:41	11
Peter	Kearney (Jr)	01:15	01:38	02:36			02:36	12
John	Martin	02:19	01:08	02:25	01:47	01:40	02:25	13
Don	Lindley	02:18					02:18	14
Garry	Hunter	02:18	02:08	00:29			02:18	15
Curt	Haskell	01:49	02:00	01:58	01:59	02:01	02:01	16
Tom	Nied	02:01	01:55	01:15			02:01	17
Dave	Livesay	01:14	01:48				01:48	18
Bob	Champine	00:37	00:52	00:48	01:10	01:17	01:17	19
Carl	Butsch	01:05	01:15	00:30	01:16		01:16	20
Walt	Everson	00:56	00:55	01:02	01:08	01:08	01:08	21
Del	Ogren	00:38					00:38	22
Fred	Rash	00:23	00:29	00:35	00:35		00:35	23
Bob	Warmann	-					00:00	24
Wayne	Trivin	-					00:00	25
Burr	Stanton	-					00:00	26
Don	Slusarczyk (Sr)	-					00:00	27
Joel	Plassman (Sr)	-					00:00	28
Jeff	Plassman (Jr)	-					00:00	29
Gerry	Plassman	-					00:00	30
Dick	Miller	-					00:00	31
Rich	MacEntee	-					00:00	32
Larry	Loucka	-					00:00	33
Bob	Loeffler	-					00:00	34
Ed	Konefes	-					00:00	35
Dick	Emnis	-					00:00	36
Jim	Buxton	-					00:00	37
Mike	Arak	-					00:00	38
Bill	Bigge	-					00:00	39

ORNITHOPTER-COMBINED AGES

Name		1	2	3	4	5	Best Flight	Place
Frank	Kieser	10:55	05:01	03:48	11:12		11:12	1
Don	Slusarczyk	08:39	08:52	09:55			09:55	2
Roy	White	09:24	06:46	06:03	08:49	05:48	09:24	3
Joe	Krush	06:32					06:32	4
Larry	Mzik	03:44	04:07	03:35	04:27	05:17	05:17	5
Doug	Barber	00:04					00:04	6

HELICOPTER - COMBINED AGES

Name		1	2	3	4	5	Best Flight	Place
Peter	Kearney	01:32	03:41	07:29	10:36		10:36	1
Bill	Henderson	04:47	07:10	07:34	08:24		08:24	2
Gary	Underwood	04:42	05:44	05:24	05:56	07:42	07:42	3
Larry	Loucka	04:24	05:28	06:40			06:40	4
Ron	Ganser	02:48	04:03	03:21	03:34	05:28	05:28	5
John	Marett	03:44	04:06	04:12			04:12	6
Dick	Obarski	01:39	02:54	00:30	04:05		04:05	7
Tom	Vallee	02:10					02:10	8
Pete	Staehling	-					00:00	9
Don	Slusarczyk	-					00:00	10
Chuck	Slusarczyk	-					00:00	11
Lev	Gitlow	-					00:00	12
Bill	Bigge	-					00:00	13

AMA SCALE-COMBINED AGES

NAME		SUBJECT	1	2	3	4	BEST FLIGHT	2ND FLIGHT	AVERAGE BEST 2	SCALE POINTS	TOTAL	PLACE
John	Blair	Cessna AW	90	90			90	90	90.0	100	190.0	1
Jim	Miller	Lacey	90	90			90	90	90.0	96	186.0	2
Richard	MacEntee	Lacey M-10	82	79	67	87	87	82	84.5	100	184.5	3
John	Martin	Astra	70	77	86	81	86	81	83.5	99	182.5	4
Ken	Groves	Bristol Scout D	71	74	75	77	77	75	76.0	100	176.0	5
David	Aronstein	Nauboussin Hemiptere	88	90			90	88	89.0	75	164.0	6
George	Nunez	Hispano Tripe	50	51	54	52	54	52	53.0	100	153.0	7
Millard	Wells	Waco SE	53	49	47	52	53	52	52.5	90	142.5	8
Curt	Haskell	Monocoupe 110	65	68	6		68	65	66.5	59	125.5	9
Jim	Davidson	PT-19	44	17	16		44	17	30.5	92	122.5	10
Walt	Everson	P-39	24	34	36	12	36	34	35.0	62	97.0	11
John	Gagliano		-				0	0	0.0		0.0	12
Millard	Wells	Stout	-				0	0	0.0	82	0.0	13
Judi	Cohen	Belanca	-				0	0	0.0	74	0.0	14

(7)

R.O.G. STICK - COMBINED AGES

Name	1	2	3	4	5	Best Flight	Place
Dick Obarski	09:16	09:33	13:27	14:37		14:37	1
Larry Loucka	12:57	00:15				12:57	2
Don Slusarczyk (Sr)	12:30	att	06:17			12:30	3
Joe Krush	09:07	09:33	10:11	11:55		11:55	4
Ron Ganser	02:53	11:13	04:30	00:05	01:01	11:13	5
Joe Nuszer	10:23	07:40	08:45	07:14	10:20	10:23	6
John Marett	att	10:06	att	10:09	08:25	10:09	7
Jess Shepherd	09:30	08:52	att	05:24		09:30	8
John Voorhees	05:12	06:14	07:15			07:15	9
Russ Putnam	-					00:00	10
Lew Gitlow	-					00:00	11
J Davidson	-					00:00	12
Bill Bigge	-					00:00	13

CATAPULT GLIDER - OPEN

Name	1	2	3	4	5	6	7	8	9	Best Flight	2nd Flight	TOTAL (BEST 2)	PLACE
Chuck Markos	70.0	74.0	69.4	58.8	74.0	77.8	70.8	75.4	73.8	77.8	75.4	153.2	1
Bob Warmann	72.6	67.8	66.6	6.2	6.4	18.6	42.4	12.0	56.8	72.6	67.8	140.4	2
Bill Schlarb	67.2	60.2	69.2	68.0	65.0	64.8	68.8	71.0	68.0	71.0	69.2	140.2	3
Ralph Schlarb	60.2	63.2	60.4	67.0	67.6	69.8	68.8	69.8	59.0	69.8	69.8	139.6	4
Jesse Shepherd, Jr	60.6	46.0	37.4	65.2	51.2	14.0	71.0	59.2	28.6	71.0	65.2	136.2	5
Keith Fulmer	50.0	53.0	62.0	65.0	61.0	45.6				65.0	62.0	127.0	6
Ed Konefes	51.2	40.2	53.2	46.6	56.2	59.4	54.8	62.2	62.2	62.2	62.2	124.4	7
Wayne Trivin	33.0	34.0	53.2	50.8	53.0	54.2	54.6	62.8	61.2	62.8	61.2	124.0	8
Gordy Wisniewski	33.0	36.0	40.4	55.4	60.8	62.6	54.8	60.2	0.0	62.6	60.8	123.4	9
Jim Thornbery	60.2	29.2	57.0	31.4	10.0	43.8	57.4	58.0	-	60.2	58.0	118.2	10
Dick Obasrski	50.4	37.2	50.8	55.4	57.0	48.8	54.6	52.4	57.4	57.4	57.0	114.4	11
Jim Davidson	41.2	18.0	22.4	32.0	44.6	21.4	56.4	28.2	57.2	57.2	56.4	113.6	12
Vito Garafalo	50.0	56.0	47.6	20.2	46.0	53.4	12.8	46.2	47.2	56.0	53.4	109.4	13
Mike Arak	49.8	47.4								49.8	47.4	97.2	14
Bill Henderson	17.8	47.0	48.0	45.0	44.4	48.6	40.0	48.2	44.0	48.6	48.2	96.8	15
Phil Hartman	27.0	33.2	43.8	40.2	42.8	40.6	39.0	51.0	27.0	51.0	43.8	94.8	16
Richard Ennis	34.2	42.4	45.2	38.0	45.0	47.4	30.0	44.0	22.0	47.4	45.2	92.6	17
Jack Greene	46.0	46.0								46.0	46.0	92.0	18
Wally Simmers	38.8	40.8	4.2	29.2	29.6	37.4	41.6	44.6	44.6	44.6	44.6	89.2	19
John Voorhees	35.6	42.2	43.4	40.4	44.2	40.4	39.4	41.2	39.0	44.2	43.4	87.6	20
Richard MacEntee	32.4	21.2	23.8	25.8	41.0	31.0	41.4	37.6	29.8	41.4	41.0	82.4	21
Fred Rash	27.0	30.8	33.4	31.4	34.8	31.4	34.4	40.2	38.4	40.2	38.4	78.6	22
Jesse Shepherd, Sr	17.6	42.8	23.6							42.8	23.6	66.4	23
Ed Burke	10.6	18.2	22.4	23.8	25.6	23.0	27.4	25.6	24.2	27.4	25.6	53.0	24
Otto Curth	29.0	0.0								29.0	0.0	29.0	25
Burr Stanton	-									0.0	0.0	0.0	26
Chuck Slusarczyk	-									0.0	0.0	0.0	27
Gerry Plassman	-									0.0	0.0	0.0	28
Doc Martin	-									0.0	0.0	0.0	29
Garry Hunter	-									0.0	0.0	0.0	30
Lew Gitlow	-									0.0	0.0	0.0	31
Cliff Culpepper	-									0.0	0.0	0.0	32
Bernie Boehm	-									0.0	0.0	0.0	33
Bill Bigge	-									0.0	0.0	0.0	34

MANHATTAN CABIN - COMBINED AGES

Name	1	2	3	4	5	Best Flight	Place
Krush	08:05	10:08	10:16	11:16		11:16	1
Loucka	08:20	10:14	10:39			10:39	2
Markos	09:39	10:20	10:38	03:11		10:38	3
Van Gorder	09:21	att	10:29	10:21	10:23	10:29	4
Slusarczyk (Sr)	09:24	09:00	09:32	10:28		10:28	5
Groves	06:38	05:24	06:27	08:41	10:19	10:19	6
Marett	06:14	08:30	09:38	09:09	09:58	09:58	7
Ganser	09:35	09:24	08:06	09:21	03:40	09:35	8
Triolo	07:49	08:41	09:04			09:04	9
Fulmer	07:29	09:02				09:02	10
Grant	08:30	08:59				08:59	11
Bates	08:14	08:57	06:37	07:10	07:48	08:57	12
Gagliano	07:02	04:00	03:28	06:47	08:17	08:17	13
Slusarczyk	00:36	07:40				07:40	14
Kearney (Jr)	07:19	06:50	07:36			07:36	15
Sutter	04:14					04:14	16
Shepherd, Jr	02:18	02:56	att	03:08	03:57	03:57	17
Wells	-					00:00	18
Stanton	-					00:00	19
Putnam	-					00:00	20
Plassman	-					00:00	21
MacEntee	-					00:00	22
Henderson	-					00:00	23
Fellin	-					00:00	24
Davidson	-					00:00	25

UNLIMITED RUBBER SPEED - COMBINED AGES

Name	1	2	3	4	5	6	7	8	9	BEST MPH	PLACE
Jim Thornbery	5.94	5.84								14.67	1
Chuck Markos	6.32	8.30	8.20	8.32	6.44					13.56	2
Bill Henderson	8.03	7.15	6.98							12.28	3
Bob Champine	13.81	17.12	7.81	12.50						10.97	4
John Voorhees	13.34	8.50	19.40							10.08	5
Fred Rash	11.03	9.82	11.25	8.65	10.53	11.05	9.16			9.91	6
Mike Arak	14.16	13.00	12.32							6.95	7
Curt Haskell	14.50	14.85								5.91	8
Jess Shepherd, Jr	16.00									5.35	9
Pete Staehling	71.70									1.19	10
Doug Barber	-										11
John Blair	-										12
Otto Curth	-										13
Richard Ennis	-										14
Dave Livesay	-										15
Doc Martin	-										16
Del Ogren	-										17
Jeff Plassman	-										18
John Triolo	-										19

PEANUT SPEED - COMBINED AGES

Name	1	2	3	4	5	6	7	8	9	BEST MPH	PLACE
Chuck Markos	7.90	7.64								11.21	1
George Nunez	8.50									10.08	2
John Blair	14.15	10.72								7.99	3
Bill Henderson	11.94									7.18	4
Jim Davidson	-										5

FEDERATION R.O.G.

Name		1	2	3	4	5	Best 2 Flights	State Total	Place
Florida								19:10	7
Wayne	Trivin	05:18	05:00	03:56	03:35		10:18		
Rich	MacEntee	04:31					-		
Dick	Obarski	03:41	02:37	02:58	04:12	03:46	07:58		
Walt	Everson	03:42	03:59	04:33	04:18	04:08	08:51		
Doc	Martin	03:47	00:47	03:45	04:33		08:20		
-									
Penn								19:16	6
Jim	Buxton	04:51	04:10	04:31	01:47		09:22		
Joe	Krush	03:41	04:53	05:01			09:54		
Joe	Krush						-		
-									
Michigan									
Richard	Ennis	02:23					-		
-									
Ohio								20:21	5
Don	Slusarczyk	04:57	05:15	05:18			10:33		
Chuck	Slusarczyk	04:37	04:57	04:50	04:51	04:42	09:48		
John	Voorhees	01:53					-		
-									
Illinois									
Del	Ogren	02:20					-		
-									
Texas								22:22	4
Tony	Sutter	03:30	04:22	05:03	05:32	05:06	10:38		
Jim	Clem	03:47	04:56	05:45	05:59		11:44		
-									
Washington								23:47	2
Dave	Aronstein	05:24	06:23	03:33	06:57	07:01	13:58		
Andy	Tagliafico	04:12	04:54	04:55	04:06	04:20	09:49		
Dave	Aronstein#2						-		
-									
New Jersey								23:59	1
Gary	Underwood	06:18	06:50				13:08		
Doug	Barber	04:54	05:18	05:31	05:20		10:31		
-									
New York								22:40	3
Vito	Gagliano	01:24					-		
Charles	Gagliano	04:48	04:47	04:58			09:46		
Joe	Muszer	04:22	06:11	06:45	05:01		12:54		

INTERMEDIATE STICK - OPEN

Name		1	2	3	4	5	Best Flight	Place
Dan	Belieff	00:21:36	00:17:21	00:26:30	00:23:37		00:26:30	1
Ron	Ganser	00:18:29	00:23:14	00:24:13	00:23:12		00:24:13	2
Larry	Loucka	00:19:50	00:21:07	00:21:09	00:24:07		00:24:07	3
Dick	Obarski	00:20:23	00:21:58	00:22:32	00:23:48		00:23:48	4
Lev	Bitlov	00:22:41	00:22:20	00:21:00			00:22:41	5
Joe	Krush	00:22:08	00:18:11				00:22:08	6
Jim	Grant	00:12:36	00:11:16	00:17:11	00:21:56		00:21:56	7
Tony	Sutter	00:17:35	00:00:19	00:18:15	00:21:10	00:21:54	00:21:54	8
Ken	Groves	00:18:17	00:14:36	00:21:16	00:07:14		00:21:16	9
Walt	Van Gorder	00:20:51	00:21:02				00:21:02	10
Joe	Muszer	00:15:35	00:19:48				00:19:48	11
Gordy	Wisniewski	00:18:15	00:19:37				00:19:37	12
Wally	Simmers	00:17:37	00:16:55	00:16:31	00:00:04	00:17:36	00:17:37	13
Dave	Aronstein	00:16:37					00:16:37	14
Doug	Barber	00:15:07	00:16:04				00:16:04	15
Bill	Henderson	00:04:07	00:10:44	00:15:44	-		00:15:44	16
Ed	Burke	00:06:55	00:15:12	00:12:20			00:15:12	17
John	Marett	00:08:06	00:14:18	00:07:59	00:14:44		00:14:44	18
Tom	Vallee	00:13:03	00:02:25	00:04:54	00:12:05	00:02:15	00:13:03	19
John	Voorhees	00:10:31	00:09:56	00:06:04	00:09:39	00:11:31	00:11:31	20
Don	Krupp	00:09:09	00:08:28	00:10:29			00:10:29	21
Gary	Underwood	-					00:00:00	22
Chester	Wrzos	-					00:00:00	23
Pete	Staehling	-					00:00:00	24

29 ENTRIES

NOVICE PENNYPLANE - OPEN

(8)

Name		1	2	3	4	5	Best Flight	Place
Bob	Champine	08:30	02:41	12:27	-		12:27	1
Richard	Miller	12:07	08:57	12:16	10:34	08:48	12:16	2
Chuck	Markos	11:52	11:45	11:57	11:20	-	11:57	3
Walt	Van Gorder	10:56	09:47	08:44	10:21	11:57	11:57	4
Phil	Hartman	08:59	11:00	09:05	10:00	11:51	11:51	5
Tom	Vallee	10:35	11:06	11:50	11:01	-	11:50	6
John	Voorhees	10:10	10:29	11:28	-		11:28	7
John	Barker	09:17	02:14	11:27	-		11:27	8
Ken	Groves	09:53	11:25	11:27	09:47	10:52	11:27	9
John	Marett	09:57	11:23	10:49	-		11:23	10
Joe	Muszer	09:09	10:03	06:18	11:18	08:20	11:18	11
Les	Garber	11:12	09:58	10:21	03:48	06:16	11:12	12
Doug	Barber	10:43	11:03	11:10	-		11:10	13
Wayne	Trivin	06:23	07:36	07:39	11:06	-	11:06	14
Chuck	Slusarczyk	10:52	11:02	06:00	-		11:02	15
Del	Ogren	07:07	10:54	09:41	06:23	09:42	10:54	16
Jim	Grant	10:11	07:43	10:53	07:56	04:09	10:53	17
Jim	Clem	10:38	10:47	09:40	-		10:47	18
Bill	Henderson	07:59	10:41	07:01	07:56	09:00	10:41	19
Bill	Clarke	07:02	10:25	09:41	10:41	-	10:41	20
Garry	Hunter	08:45	02:13	10:25	-		10:25	21
Ron	Ganser	08:42	09:21	09:14	10:16	10:18	10:18	22
Jim	Davidson	07:20	09:49	10:03	09:37	02:44	10:03	23
Chet	Wrzos	02:47	07:13	04:37	09:52	-	09:52	24
Wally	Simmers	05:11	09:43	05:22	09:44		09:44	25
Pete	Staehling	08:15	09:34	09:41	03:25	04:43	09:41	26
Vito	Gagliano	08:17	06:06	09:29	04:45	06:40	09:29	27
Plenny	Bates	09:21	08:28	08:44	07:50	-	09:21	28
Ken	Crump	09:18	06:59	07:22	08:30	09:19	09:19	29
Gordy	Wisniewski	09:19	-				09:19	30
Ed	Konefes	05:19	08:15	09:05	09:03	09:17	09:17	31
J	Blair	09:08	07:09	07:07	06:01	04:58	09:08	32
Charles	Gagliano	08:11	09:05	-			09:05	33
Jim	Thornberry	05:49	08:54	-			08:54	34
Tony	Sutter	08:00	05:38	08:36	08:52	-	08:52	35
Bud	Tenny	05:47	07:12	07:17	05:52	08:35	08:35	36
Ed	Burke	07:21	08:13	08:21	-		08:21	37
Dick	MacEntee	07:42	08:11	05:10	-		08:11	38
Otto	Curth	06:13	08:01	01:38	06:52	-	08:01	39
Stu	Weckerly	08:00	03:40	07:13	04:55	05:18	08:00	40
Bob	Oppegard	07:15	04:35	03:38	-		07:15	41
Bob	Butsch	07:09	02:23	-			07:09	42
Jim	Jones	05:24	01:52	07:04	04:52	-	07:04	43
David	Smith	05:24	06:51	05:04	-		06:51	44
Dick	Obarski	04:38	06:37	06:43	04:37	-	06:43	45
Lou	Leifer	att	02:20	02:01	04:43	05:14	05:14	46
Manny	Radoff	02:44	-				02:44	47
Larry	Loucka	-					00:00	48
Kris	Warmann	-					00:00	49

69 ENTRIES

R.O.G. CABIN - COMBINED AGES

Name		1	2	3	4	5	Best Flight	Place
Ron	Ganser	00:15:12	00:21:38	att	00:16:08	00:24:38	00:24:38	1
Dan	Belieff	00:08:54	00:17:54	00:20:47	00:24:08		00:24:08	2
Larry	Loucka	00:15:07	00:17:31				00:17:31	3
Tom	Vallee	00:02:53	00:11:56	00:13:50	00:06:32		00:13:50	4
Joe	Krush	00:11:05					00:11:05	5
Tony	Sutter	att	00:06:33	00:08:54	00:08:15	00:10:59	00:10:59	6
Don	Slusarczyk (Sr)	-					00:00:00	7
Jess	Shepherd	-					00:00:00	8
Russ	Putnam	-					00:00:00	9

BOSTONIAN

Name	1	2	3	4	5	BEST FLIGHT	2ND FLIGHT	TOTAL BEST 2	CHARISMA	TOTAL	PLACE
Richard Miller	03:27	03:38	03:09	03:11	03:09	03:38	03:27	07:05	1.18	501.50	1
Wayne Trivin	03:14	03:19	03:19	03:37		03:37	03:19	06:56	1.15	478.40	2
John Marett	03:20	02:31	02:33	03:09		03:20	03:09	06:29	1.16	451.24	3
David Aronstein	02:39	02:34	02:31	03:03	02:52	03:03	02:52	05:55	1.18	418.90	4
Bill Henderson	02:37	02:59	03:02	02:51	02:46	03:02	02:59	06:01	1.16	418.76	5
Jim Miller	02:00	03:02	03:01	02:09	03:12	03:12	03:02	06:14	1.10	411.40	6
Don Lindley	02:26	02:35	02:43	02:06	02:58	02:58	02:43	05:41	1.16	395.56	7
Chuck Markos	02:43	02:47				02:47	02:43	05:30	1.18	389.40	8
Stu Weckerly	01:57	02:37	02:29	02:35	02:53	02:53	02:37	05:30	1.12	369.60	9
Garry Hunter	02:10	02:23	02:28	02:37	-	02:37	02:28	05:05	1.11	338.55	10
Keith Fulmer	02:09	02:24				02:24	02:09	04:33	1.18	322.14	11
Jim Grant	02:27	02:03				02:27	02:03	04:30	1.18	318.60	12
Ed Konefes	01:41	02:01	02:16	02:05	02:09	02:16	02:09	04:25	1.15	304.75	13
Rich MacEntee	02:15	02:33				02:33	02:15	04:48	1.05	302.40	14
Peter Kearney (Jr)	01:57	02:25	att	01:24		02:25	01:57	04:22	1.10	288.20	15
John Triolo	01:49	01:59	02:03			02:03	01:59	04:02	1.15	278.30	16
John Barker	00:55	01:40	02:20	01:28	01:07	02:20	01:40	04:00	1.12	268.80	17
John Blair	01:56	01:52	01:54	01:37	02:02	02:02	01:56	03:58	1.10	261.80	18
Tom Nied	01:41	01:40	00:54			01:41	01:40	03:21	1.18	237.18	19
Tony Sutter	01:45	01:42				01:45	01:42	03:27	1.10	227.70	20
Jim Davidson	01:33	01:38	01:32	01:34		01:38	01:34	03:12	1.18	226.56	21
Phil Hartman	01:17	01:32				01:32	01:17	02:49	1.14	192.66	22
Bob Champine	01:17	01:30	-	-	-	01:30	01:17	02:47	1.10	183.70	23
Curt Haskell	01:16	01:22	01:24	01:17	01:22	01:24	01:22	02:46	1.10	182.60	24
John Voorhees	00:56	01:15				01:15	00:56	02:11	1.13	148.03	25
Walt Everson	01:03	01:04	01:05	00:57		01:05	01:04	02:09	1.12	144.48	26
Vito Garafalo	01:54	-				01:54	00:00	01:54	1.19	135.66	27
Jim Clem	00:51	01:12				01:12	00:51	02:03	1.10	135.30	28
Dick Obarski	-					00:00	00:00	00:00		0.00	29
Del Ogran	-					00:00	00:00	00:00		0.00	30
Les Garber	-					00:00	00:00	00:00		0.00	31
Joel Plassaan	-					00:00	00:00	00:00		0.00	32
Don Slusarczyk	-					00:00	00:00	00:00		0.00	33
Chuck Slusarczyk	-					00:00	00:00	00:00		0.00	34
Gerry Plassaan	-					00:00	00:00	00:00		0.00	35
Millard Wells	-					00:00	00:00	00:00		0.00	36

PENNYPLANE - OPEN

Name	1	2	3	4	5	Best Flight	Place
Chuck Slusarczyk	04:17	01:01	15:05	12:35	05:05	15:05	1
Larry Loucka	12:31	12:43	14:51	14:09	-	14:51	2
Gordy Wisniewski	13:01	14:20	12:53	13:56	14:47	14:47	3
John Marett	11:50	10:55	14:29	13:51	-	14:29	4
Joe Nuszer	att	06:14	12:55	11:49	14:19	14:19	5
Les Garber	03:32	11:24	12:56	13:57	-	13:57	6
Ken Groves	08:02	10:14	11:08	11:59	13:49	13:49	7
Walt Van Gorder	10:12	13:21	11:11	05:48	12:31	13:21	8
Doug Barber	10:47	10:01	07:08	10:17	12:39	12:39	9
Terry Hreno	08:40	10:09	12:36	-	-	12:36	10
Ron Ganser	12:29	11:49	-	-	-	12:29	11
Phil Hartman	09:51	10:30	09:53	12:16	-	12:16	12
Pete Staehling	05:32	11:08	11:32	12:03	06:21	12:03	13
John Voorhees	09:25	09:12	11:58	-		11:58	14
Jim Clem	08:11	11:44	11:56	11:08	10:41	11:56	15
Dan Belieff	11:15	11:28	09:31	-	-	11:28	16
Manny Radoff	09:19	10:34	08:34	10:18	-	10:34	17
Charles Gagliano	09:43	09:33	10:24	08:17	-	10:24	18
Bob Oppegard	09:05	09:59	06:02	-		09:59	19
Joe Krush	07:39	09:20	07:49	09:46	09:39	09:46	20
Jim Grant	05:40	09:24	03:01	02:37	08:04	09:24	21
Ed Konefes	07:57	06:39	09:11	-		09:11	22
Tony Italiano	08:05	03:58	08:58	04:37	07:44	08:58	23
Tom Vallee	08:49	07:34	-			08:49	24
Tony Sutter	06:02	06:04	08:26	-		08:26	25
Bob Champine	07:33	07:30	05:17	-	-	07:33	26
Dick MacEntee	01:51	03:58	-			03:58	27
Bob Warmann						00:00	28
Kris Warmann						00:00	29
Wally Simmers	-						

37 ENTRIES

EASY B - OPEN

Name	1	2	3	4	5	Best Flight	Place
Chuck Markos	09:17	22:01	15:04	05:20		22:01	1
John Marett	18:41	15:07	18:36	20:38		20:38	2
Walt Van Gorder	att	15:45	19:40	20:35		20:35	3
Andy Tagliafico	19:06	20:22	20:23	08:31	07:41	20:23	4
Les Garber	19:56	13:24	16:17	06:25	14:34	19:56	5
Richard Miller	19:05	19:50	14:10	19:10	15:00	19:50	6
Gordy Wisniewski	19:07	04:48	07:44	18:43	19:36	19:36	7
Ken Groves	14:25	13:40	18:40	13:29	12:18	18:40	8
Jim Grant	18:09	15:54	18:39	04:31		18:39	9
Wally Simmers	07:25	07:26	08:06	12:59	16:22	16:22	10
Lew Gitlow	03:43	14:34	13:52	16:18		16:18	11
Joe Krush	15:58					15:58	12
Doug Barber	04:47	13:40	15:52			15:52	13
Ron Ganser	15:49					15:49	14
Dick Obarski	15:24	06:32	15:47	01:06		15:47	15
Dan Belieff	15:39	11:00	07:24			15:39	16
Bill Henderson	13:14	12:04	15:39			15:39	17
Joe Nuszer	08:45	10:40	12:18	15:10		15:10	18
John Barker	11:16	09:53	14:57	07:22		14:57	19
Charles Gagliano	11:14	14:56	05:25	07:14		14:56	20
Bob Champine	12:59	14:38	10:02	11:35	13:20	14:38	21
Gary Underwood	14:26	14:00	13:13			14:26	22
Howard Henderson	13:38	08:48	12:52	12:13	14:13	14:13	23
Stu Weckerly	02:40	04:16	14:11	12:55	11:40	14:11	24
Jim Clem	11:40	11:13	11:04	11:46	14:02	14:02	25
Pete Staehling	12:11	12:42	08:00	09:24		12:42	26
Wanyne Trivin	10:43	09:00	11:32			11:32	27
Dick MacEntee	11:17	06:06				11:17	28
Jess Shepherd, Sr	10:53	att				10:53	29
Tom Vallee	10:30					10:30	30
Otto Curth	06:38	08:21	07:28	08:51	10:02	10:02	31
John Fellin	09:17	08:51	08:06	07:37	09:45	09:45	32
Garry Hunter	08:31	08:20	09:41	03:03	01:52	09:41	33
Vito Gagliano	04:00	09:21				09:21	34
Terry Hreno	02:44	09:15				09:15	35
Ed Konefes	05:02	07:28	09:08			09:08	36
Tony Sutter	08:31	08:51				08:51	37
Fred Rash	07:33	03:52	06:36	05:29	07:07	07:33	38
Manny Radoff	att	att	07:32			07:32	39
Bob Loeffler	06:53	07:31				07:31	40
Chuck Slusarczyk	07:16					07:16	41
Bob Oppegard	07:08					07:08	42
Chester Wrzos	05:57	02:54				05:57	43
Ed Knight	03:09	05:47				05:47	44
Jess Shepherd, Jr	02:48	02:26	05:36			05:36	45
Carl Butsch	01:47	01:38	02:59	02:15	04:12	04:12	46
Len Singer	03:58					03:58	47
Don Krupp	03:48					03:48	48
Bob Warmann	-					00:00	49
Burr Stanton	-					00:00	50
Gerry Plassaan	-					00:00	51
Larry Loucka	-					00:00	52
George Leffler	-					00:00	53
Phil Hartman	-					00:00	54
Walt Everson	-					00:00	55
Richard Ennis	-					00:00	56
Lou Leifer	att					00:00	57
Russ Putnam	-					00:00	58
Gil Graunke	-					00:00	59
Jim Davidson	-					00:00	60

CONGRATULATIONS TO MARK ALLISON FOR HIS FINE, DETAILED ARTICLE ON THE PISTACHIO FLYING FLEA IN MODEL AVIATION. A 1ST FOR PISTACHIO!

MIAMA HALL OF FAME

EIGHTEENTH [1988-1989] INDOOR SEASON --- FUN !!

FLORIDA STATE CHAMPION:

RICH MACENTEE

RUNNER-UP: WAYNE TRIVIN

PEANUT CHAMP: RICH MACENTEE 2ND: DOC MARTIN

FAC SCALE CHAMP: JOHN TUDOR 2ND R. MAC ENTEE

BOSTONIAN CHAMP: RICH MAC ENTEE 2ND: W. TRIVIN

COCONUT SCALE: TIE FOR 1ST: MILLARD WELLS, DAVE LINSTRUM

FEDERATION ROG CHAMP: TONY BECKER 2ND: DICK OBARSKI

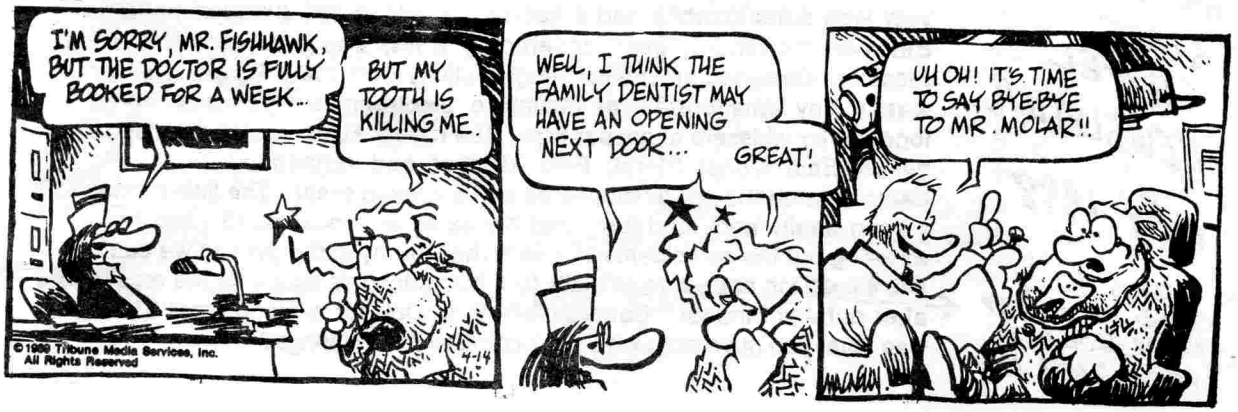
EASY B CHAMP: DICK OBARSKI 2ND TONY BECKER

NOVICE PENNY CHAMP: TIE, TONY BECKER + D. OBARSKI

CATAPULT GLIDER CHAMP: WAYNE TRIVIN 2ND T. BECKER

EMBRYO ENDURANCE: DAVE LINSTRUM 2ND 5 WAY TIE !

Shoe



SUMMER IS THE TIME

When indoor modelers build for the next season. Just take a look at the rear cover to see how many local and nearby events are scheduled for next Fall and Winter. There are so many lists in this issue we didn't have room to list the final standings of all the MIAMA members who participated in the 1988/1989 season. Look for YOUR name in issue #129. We now fly TEN events and that should be enough for anyone. This coming season we will fly six indoor meets, and count your best five. To be eligible for state champ you must earn points in scale, glider, and endurance events. Enter as many events as you want per meet..we count the best 5 events..

GET YOUR NAME INTO THE MIAMA HALL OF FAME.

There will be more on this in the next issue,but when we open the season next September we will have our annual awards banquet...our only official get together of the year. As usual we will have an interesting guest speaker and plenty of awards and socialiizing and fun.

AUG 12,13 GREAT FLORIDA KEYS ROW MEET
3 CLASSES - ROW STICK, ROW FUSELAGE, ROW SCALE
WEAR BEAT UP SNEAKERS, BATHING SUIT. BRING TOWEL + SUNSCREEN, CAMERA. SEE BACK COVER ---- FUN !

THE ICONOCLAST PRESENTS THE ULTIMATE IN WHAT DOCTOR PANGLOSS WOULD CALL THE BEST OF ALL POSSIBLE WORLDS.

From:
SCALE
STAFFEL
NEWSLETTER
MAY 1988

Don Piazza had truly one of the most unique models we'll ever see — a radio controlled rubber powered peanut Lacy! No kidding! The Lacy was very well done in white and a soon-to-be-added red sunburst pattern. Between the landing gear, covered by a tiny trap door, was the RC receiver. Designed and painstakingly built by Don, the 8.5 gram receiver was a tiny little bundle of miniature electronic components linked together by whiskers of copper wire. The rudder actuator was developed by an East Coast friend, Fritz Mueller and refined by Don. He demonstrated the operation of it all and it worked great. The little rudder moved easily back and forth and it was all we could do to keep from throwing out the participants of a volleyball tourny in the gym so we could see it fly.* Don has yet to officially fly it but watch this space for the results after our April Indoor. Congratulations to Don for a magnificent effort. See what you guys miss who don't come to the meetings?

* IT WAS ALL I COULD DO TO KEEP FROM BLOWING MY LUNCH! -ED.

(13) LAST MEET RESULTS - CONT.

EASY B:

1.Tony Becker	12:09.7
2.Dick Torque Burner	10:51
3.George Leffler	5:25
4.R. Laudati	3:10

CATAPULT GLIDER:

1.Wayne Trivin	100.7 ★NEW RECORD
2.Dick Obarski	100.6
3.Millard Wells	82.8
4.Tony Becker	82.5
5.John Martin	81.5

EMBRYO INDURANCE EVENT:

L.Rich MacEntee	9	125	132	116
2.Russ Dorsey	9	103	110	106
3.Bill Criss	9	45	52	54
4.F. Beeson	9	44	48	55
5.Dave Linstrum	9	43	29	—

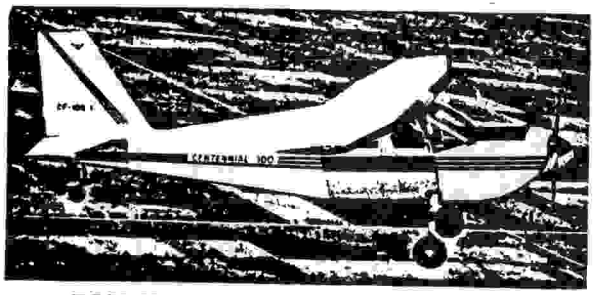
FLYING ACES MODERN MASS LAUNCH EVENT

Seven entries

1.Walt Everson (First FAC Kanone)
2.Wayne Trivin
3.Judi Cohen

18 CONTESTANTS FLEW 65 ENTRIES IN 11 EVENTS

SO MANY FOUND MODELS BUT NO 3-VIEWS - HERE 'TIS.



FOUND MODEL 100 CENTENNIAL

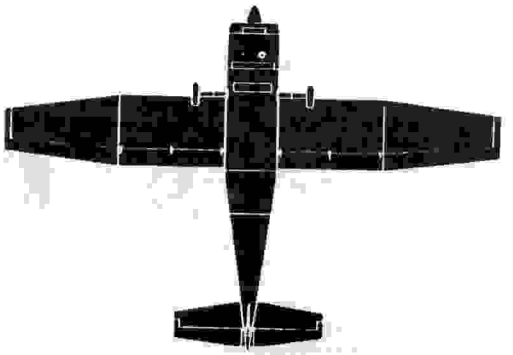
Country of Origin: Canada.
Type: Light Utility Aircraft.
Power Plant: One Lycoming IO-540-G six-cylinder horizontally-opposed engine rated at 290 h.p.
Performance: (Estimated) Maximum speed, 160 m.p.h. at sea level; cruising speed (75% power), 150 m.p.h., (65% power), 140 m.p.h.; initial climb rate, 1,125 ft./min.; service ceiling, 20,000 ft.; range, (65% power), 700 mls.
Weights: Empty, 1,750 lb.; loaded, 3,500 lb.
Accommodation: Cabin may be equipped for a maximum of six persons, and as an ambulance two casualty stretchers and a medical attendant may be accommodated.
Status: In production. Prototype flown April 8, 1967. First production aircraft delivered October 1967 when production rate was two per month with a planned rate of four per month from beginning of 1968.
Notes: The Centennial has been designed specifically for operation in undeveloped areas, and is suitable for use as a light freighter, aerial survey, or agricultural aircraft. The cabin has a volume of 130 cu. ft. and an unobstructed floor, and large freight-loading doors are provided in both sides of the fuselage.

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FOUND MODEL 100 CENTENNIAL

Dimensions: Span, 39 ft. 0 in.; length, 26 ft. 6 in.; height, 8 ft. 4 in.; wing area, 196·6 sq. ft.







HORSES ORIFICES

Lead Story

• Kansas District Judge C. Philip Aldridge of Pawnee County resigned in March following an outburst regarding the new courthouse telephone system, which required him to punch in a personal code before making a long-distance call. Frustrated that he couldn't get a call through, Aldridge took a saw and systematically dismantled his phone and eight others in his suite and presented the mess to the county commissioner, along with a check for the damages and his resignation.

Science Fair

• Denver veterinarians volunteered to perform vasectomies and tubal ligations on the area's burgeoning beaver population because of its capacity to chew up 30 trees a year. The wildlife commission had been giving beavers birth control pills, but the hormonal changes caused the beavers to stop defending their territories and to no longer appear to be interested in sex.

• University of Wisconsin researchers in a recent journal article identified a group of fatty acids that seem to inhibit some cancers in mice. They had previously found the fatty acids in grilled and raw beef, but found more in parmesan cheese and even higher concentrations in Cheez Whiz.

Very Close to the Edge

• London's Young Unknowns Art Gallery and an artist were fined for violating Britain's public decency statute in February after a 1987 raid in which police confiscated a pair of earrings made of freeze-dried human fetuses.

• Michael Charles Hayes, 24, was charged last summer with killing four and wounding five with a rifle as he roamed through a Winston-Salem, North Carolina, neighborhood, upset that his pregnant wife had left him. Witnesses said he punctuated the twelve-minute spree with laughter. Said one, "Every time you'd hear a shot go off, he'd laugh."

Compelling Explanations

• An eighteen-year-old man was sentenced to ten years in prison in Jacksonville, for a drug-related murder. He explained that he was driven to a life of crime because people "expected me to live up to" his namesake. His father named him Adolph Hitler Clark "because he was famous," said the father.

• In Bartow, Florida, retired librarian William Cruse was convicted in March of the murders of six people and the wounding of ten others, caused, according to the prosecutor, by Cruse's beliefs that his neighbors thought he was homosexual and that doctors had programmed him in a previous operation to stare at men's crotches.

• In Manitowoc, Wisconsin, a fifteen-year-old high school cheerleader was found not guilty in March of murdering her newborn baby by slashing his throat. She had claimed that she was only trying to perform a tracheotomy.

• Testifying in the Goshen, New York, trial of a man accused of murdering his second wife, the first wife said the man had asked her if he could bury the second wife's body on her land, but she said that wasn't a good idea "because I have a high water table."

Least Justifiable Homicides

• Roberto Rodriguez, 52, was charged with shooting Craig Richardson, twenty, to death in Miami after police said Richardson complained too loudly that there were nails in the street behind Rodriguez's store.

• Donald Harding, twenty, pleaded guilty to the January 1988 murder of a 66-year-old convenience store clerk in Columbus, Ohio. Harding had hit the man several times with a 31-pound compressed-gas cylinder when the man refused to lend him money to play video games.

• A London vicar, the Rev. Shirley Freeman, 74, confessed to having flown into a rage and having clubbed his 85-year-old wife to death in February because he was unable to locate his favorite radio program ("Desert Island Discs") on the radio dial.

• In January according to police, Donald Keith Stringer, 30, father of two small children, was shot to death in Miami by a passenger in another car who was angry that Stringer was too slow in making a left turn at a traffic light.

JULY 16 PALM BAY FLA. Fla. State free flight record trials..Ron Sharpton 1290 Country Lane , Daytona Beach Fla. 904-767-6138

AUG 6 MELBOURNE, FLA.: 50th Anniversary of Dick Korda"s Wakefield Cup Win CD Dave Platt 6940 NW 55th St.,Plantation,Fl. 33313

AUG.12,13 Palm Bay Fla. SAM 46 CL,FF,& RC Les Alonzo 1012 W. Pennisular St Tampa Fl 813-229-1083

★ AUG.12,13 GREAT FLORIDA KEYS ROW OUTDOOR MEET. Headquarters at PLANTATION YACHT HARBOR, mile marker 86, ISLAMORADA, FLA. We fly at first light...6:15 AM

See page 11 inside

AUG. 13 Palm Bay Fl. FLA STATE FF RECORD TRIALS Ron Sharpton 305-767-6138

SEPT 1&2: WHITEHOUSE,FLA. District V FF Championships.

SEPT 17 PALM BAY,FLA. STATE FF RECORD TRIALS. Ron Sharpton

★ SEPT 23 & 24 US COAST GUARD HANGAR NINTEENTH MIAMA INDOOR SEASON STARTS ST PETE/CLEAR-WATER AIRPORT CAT II Build NOW for the new season. Also on Sat. night:MIAMA Annual Awards Dinner.To be announced. WORLD WAR II Mass Launch Sat.

OCT. 21 & 22: TAMPA FLA. MIAMA INDOOR MEET # 2, MACDILL AFB

SEPT. 17: MIAMI, FLA. MIAMA FUN FLY IN. MIAMI DADE SOUTH COLLEGE

NOVEMBER 11: MIAMA CAT I INDOOR RECORD TRIALS. DADE COUNTY YOUTH FAIR

DEC. 30, 31,and JAN.1:TAMPA FLA. BIG ANNUALKING ORANGE INDOOR MEET (MIAMA # 3) DELTA AIRLINES HANGAR,TAMPA, FLA. 70' Cat.III

FEB 17 & 18 MIAMA INDOOR MEET #4 US COAST GUARD HANGAR..Cat.II

MARCH 17 & 18: MIAMA INDOOR MEET # 5 MACDILL AFB,TAMPA,FLA.

APRIL ?: MIAMI FLA. MIAMA PROXY PISTACHIO INTER-GNATS MIAMI DADE SOUTH COLLEGE

MAY 12 & 13: FINAL MIAMA INDOOR MEET (#6) MACDILL AFB, TAMPA.

CONFIRM ALL MIAMA MEETS- CALL 305-[illegible]-3633 BEFORE

THE HANGAR PILOT

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