MINNEAPOLIS MODELER

Published six times per year by the Minneapolis Model Aero Club
17110 24th Avenue N. - Plymouth, MN 55447

• ESTABLISHED 1937 -- CHARTER No. 379 •

Annual dues: Open..... $15.00 - Senior..... $5.00 - Junior..... Free
Age: (19 & Over) (15 Thru 18) (Under 15)
Newsletter subscription for non members..... $4.00 per year.

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Secretary.....	Aaron Petersen	224-6136
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Editor.....	Dell Marchant	473-5971

Number 235 **November - December 1993**

M.M.A.C. MONTHLY MEETINGS

NOVEMBER 5 — MONTHLY MEETING at the Donaldson Co., 1400 West 94th Street, Bloomington, at 7:30 pm. Annual election of officers at this meeting. The present officers have expressed a desire to retire, so we'll have to pick a new slate.

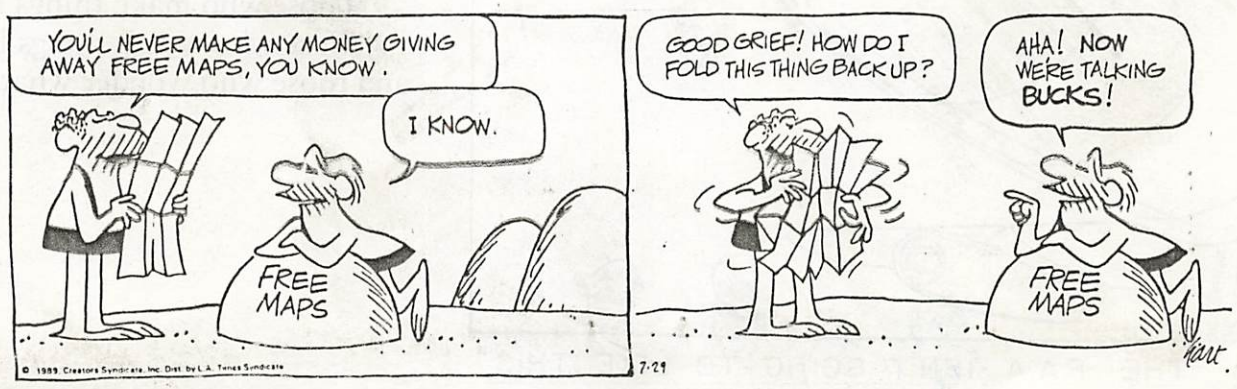
DECEMBER 3 — MONTHLY MEETING, same place and time.

Gary Oakins recently informed me that he had a supply of glycerin, the type used for making rubber lube, and if anyone wants some, bring a container to the next meeting. The price is right

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The TURKEY SHOOT was held on 10/24, on the best day of the entire summer season. Lots of members showed up to fill the sky with models, quite a few of which, crashed. Al Muller won the bird by posting 7 maxes, using a Nosgas model.
Good show.

I would like to thank all of you who helped me with your generosity at the September contest after I discovered some items missing from my van. I really didn't expect to be covered for my own carelessness. Thanks again, guys. You're the greatest.



"OAKIE'S ORACLES" or "THE PREZ SAYS"

Well gang, it's time for a new president. I haven't been receiving many oracles as of late. The few I have received must not be repeated or put to print. Two years ago at the November elections I received only one vote from my good friend Bob Woodhouse. He has reasured me that he will NOT, I repeat will Not vote for me again. There goes my one and only vote.

It has been my pleasure to be your president the last four years. You are a fine group of modelers and I salute you all.

Don Spehn has expressed a desire to be president. He was a good leader before and will make a fine president again.

The Free Flight Nats were held at Muncie, IN. the week preceding Labor Day. I understand the weather was great for two days then rained for two days. Sixteen atta boys to Jack O'Leary as he placed third in Pre '37 Wakefield.

Don Spehn and yours truly traveled to Lawrenceville, IL. for the Mid America champs held Oct 2 and 3. The wind followed us all the way down. Saturday was clear with a breeze of only 5-10 MPH out of the NW. Sunday was a repeat with the wind from the SW. Beautiful days. As usual the contest was well attended with about 85 flyers.

Don maxed out with his A gas and dropped his second fly off round. Don also maxed out in .020 Replica. He was in the fly offs but he lost his plane in a thermal on his third flight. His three maxes was good enough for second place. Nice going , Don.

I don't believe Dick Bloomquist placed in either A or B gas even though he maxed out in both. Sunday was another story. His C gas ship found the groove. His power pattern was straight up. He had six or seven maxes, enough for first place. Nice flying , Dick.

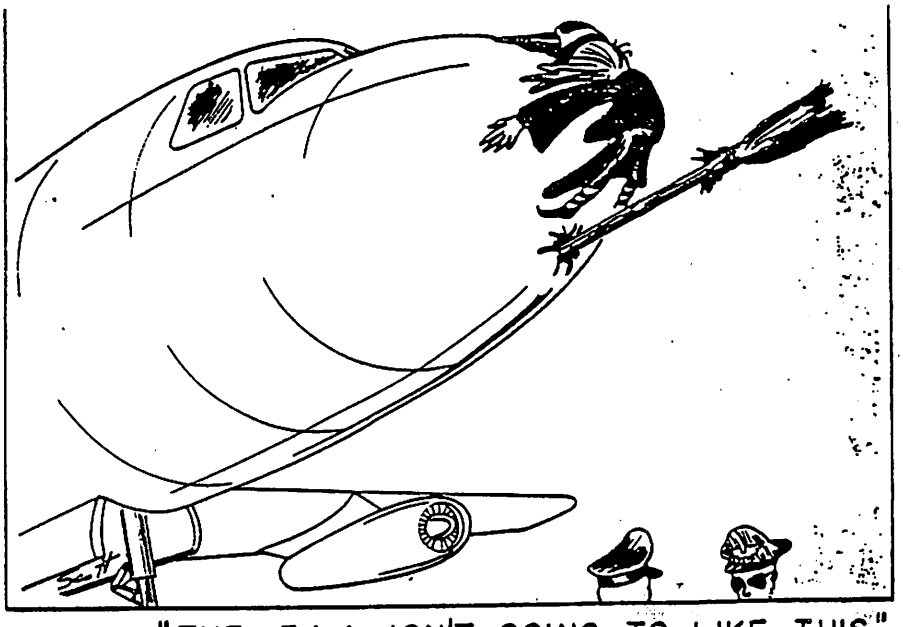
One always has a fine time at Lawrenceville, a well run contest, great people, and a superb site. The only "cloud" of the weekend was we lost some planes. Don lost his .020 Rep. and a P-30. I lost my .020 Broklyn Dodger. All three planes were last seen going up in brick lifting thermals. My A gas Witch Hawk was lost on Sat. and was found by a local farmer on Monday.

At MMAC's Sept. and Oct. contests the wind was once again blowing is excess of 15 MPH. With the exception of our July contest, the '93 contests were blowouts.. Enough said '94 WILL be better

Twenty five atta boys to DennisSussman for the fine job he did as prize committee chairman. The prize selection was excellent. Thanks from all of us.

Hope to see you all at the November meeting and the fun fly on Nov 14 in Minnetonka.

Gary



"THE F.A.A. ISN'T GOING TO LIKE THIS"

People can be divided into three groups:
Those who make things happen,
those who watch things happen,
and those who wonder what happened.
John Newborn

Meeting Minutes: 10 Sep 93 Place: Donaldson Co.

Time: 8 p.m. Present: 25

Correspondence & Announcements: The Secretary read from an AVP newsletter from Don Bentfield. It was announced that Jim Haught is now a high AMA official. Jack O'Leary and Bob Woodhouse reported on the recent Muncie contest. Many negative comments, which will perhaps be expanded upon elsewhere in detail. (Congrats to Jack, who got a 3rd and a 4th in old time rubber events.)
Old Business: The coming indoor schedule was set. Comparable to last year, except that on the added date in March, the two "extra" events will be No-Cal Scale and Mini-Stick. It was decided to combine the much-ballyhooed Winter Outdoor Meet with the Hand Launch Glider Fling in February on a frozen lake, devil take the hindmost, gumbanders included. The membership also voted to establish (in addition to the traditional all-around High Points Trophy) annual revolving trophies for Indoor High Points and for Outdoor High Points. Herman Fessler graciously volunteered to design and construct the trophies at his model factory at club expense (except for labor).
New Business: Al Muller pushed through a proposal for 9-sec. engine runs in NosGas-type ships at the Turkey Shoot. We'll see.
Herman Fessler moved that an outdoor contest event be closed on a bad weather day if no one has flown by 3:30. After much wrangling Denny Sussman proposed an amendment: that instead, if there is only one flier in an event, he be awarded a third place prize. If there are only two fliers, they would be awarded second and third place prizes. This motion passed unanimously. Sandbaggers, take note.
Show and Tell: Jim Ladwig displayed a FREEBIRD with an Axman motor. The ship has vertical performance. He also showed us an original design ½A-Texaco-like RC model with old-style silk covering. Jack O'Leary displayed an original design for the "new" Moffett Trophy rubber event. Red and white, CMP prop, 4 loops ¼ TAN. Very sharp.
Charity Auction: Don Spehn brought in a bunch of model magazines from the late Mr. Brushaber's collection. The ensuing auction netted around $140 for Brushaber's widow. Thanks to members for participating.

Meeting Minutes: 1 Oct 93 Place: Donaldson Co.

Time: 8 p.m. Present: 20

Correspondence & Announcements: In the absence of the President, the meeting was chaired inexpertly by the Secretary. It was announced that Del Sandburg passed away on 16 Sep 93. The Secretary passed around a letter from John Worth, who is running for an AMA office. The Treasurer announced that the net worth of the club has dropped a bit because of low contest entries during the "summer" season. The Spiritual Director promised to see what he could do to arrange for better weather next year.
Old Business: Denny Sussman volunteered to donate a trophy for award to the Junior member with High Points for 1993.
New Business: Dell Marchant moved that our indoor fees be set at $5 for first event, $3 for a second, $2 for a third, $10 maximum for any number. Motion passed after a lot of confused and meanderous discussion, unanimously. Show & Tell: Dan Stensby displayed bare bones of a Tsunami Racer rubber scale model, plan from FAC newsletter. Jack O'Leary showed us a fuse-lighter made from a piece of aluminum tubing mounted on a clothespin, a Dear Jake Hatschek idea. Jack also showed us a fine set of slides from recent Nationals.

RED PINE RAIDERS

Well, Skysters, let's try having some indoor events, then! (Remember, you must be FAC member, now $10, to Erie, PA.) We will have a WW II No-Cal event at each contest, also at the 14 Nov 93 fun fly, rules same as before. Likely a mass launch event for these as well. Also, let's try Rubber Scale and FAC Peanut Scale. We'll have them at the 14 Nov fun fly as FAC events in themselves, then at each MMAC contest we will use the MMAC event flight times as the FAC flight times, too, same thing. This will help avoid confusion and conflict. (FAC scale judging will be done separately, and FAC flight scores will be calculated separately.) That is, if you fly your 3 MMAC flights, those times will automatically (if you wish) be used to place you in the FAC event. A separate entry/score sheet will be kept for FAC. There is no entry fee, but hey, you gotta be FAC member, dude. And be sure to check over the FAC Rules on all this. Also, here's a decree: Any model entered in FAC Rubber Scale or FAC Peanut Scale must also be entered in the comparable MMAC event. MMAC comes first here!



NEWS FLASH !!! ARCHER WINS AGAIN!
U.S. POWER TEAM TAKES SILVER!

	Individual	Team
F1A -	1. Fantham - United Kingdom	1. Czech Republic
	2. Gruneis - Austria	2. France
	3. Horejsi - Czech.	3. New Zealand
	7. Weiler - USA	9. USA
	8. Gewain - USA	
	66. Coussens - USA	
F1B -		
	1. Andriukov (WC) - Ukraine	1. Canada
	2. Roshkonov - LAT	2. Ukraine
	3. Mathews - Canada	3. China
	17. Pearce - USA	7. USA
	24. Matsuno - USA	
	57. Xenakis - USA	
F1C -		
	1. Archer (WC) - USA	1. Ukraine
	2. Watson - United Kingdom	2. United States
	3. Wang - China	3. Argentina
	5. Keck - USA	
	17. Simpson - USA	
	21. Galbreath - USA	

FALL MEET RESULTS September 12, 1993

Windy again, so 90 sec. maxes. Herm Fessler was high point getter with 59. How did he fly that many events in that wind?

½A GAS (11)

1.	Norm Janzen	90 90 90		270
2.	Herm Fessler	90 41		131
3.	Al Muller	90		90
4.	Dell Marchant	90		90
5.	Terry Taylor	59		59

A GAS (10)

1.	Gay Oakins	46 90 71		207
2.	Dell Marchant	50 41 68		159
3.	Clyde White	64		64
4.	Herm Fessler	56		56

BCD GAS (8)

1.	Gary Oakins	5 @ 90		450
2.	Denny Sussman	4 @ 90	+70	430
3.	Al Muller	90 90 69		249
4.	Don Spehn	90 43 90		223
5.	Herm Fessler	57 73 90		220
6.	Clyde White	42		42

PEE WEE 30 (7)

1.	Norm Janzen	340 600	353	1293
2.	Herm Fessler	393 281	500	1174
3.	Don Spehn	357 173	80	610
4.	Terry Taylor	326 154		480
5.	Bob Kumferman	266 60		326

CO_2/MINI 6 (6)

1.	Aaron Petersen	84 89 90		263
2.	Bill Thomas	53 54 90		197
3.	Pete Owen	28 49 90		167

MULVI (8)

1.	Jack O'Leary	3 @ 90	+120	390
2.	Herm Fessler	3 @ 90	+120	390
3.	Bob Kumferman	79 50 74		203
4.	Aaron Petersen	90 71 03		164
5.	Pete Owen	77		77
6.	George Johnson	42		42
7.	Dick Diers	41		41

EMBRYO (7)

1.	A. Petersen (5)	69 58 50		182
2.	H. Fessler (9)	58 48 49		164
3.	M. Spiess (5)	48 39 58		150
4.	M. Endersbe (9)	42 43 49		143
5.	D. Diers (8)	26 02		36
6.	D. Marchant (5)	12 01 01		19
7.	G. Johnson (1)	13		14

P-30 (12)

1.	Terry Taylor	64 90	78	232
2.	Herm Fessler	90 64	62	216
3.	Bob Kumferman	86 44	63	193
4.	Mike Endersbe	53 72	44	169
5.	Gary Oakins	60 51	54	165
6.	Aaron Petersen	60 38	61	159
7.	Hank Liljequist	43 41	40	124
8.	Herb Fischer	21 59	32	112
9.	Dick Diers	36 65		101
10.	George Johnson	51		51

COUPE (5)

1.	Herm Fessler	53 68	90	211
2.	Aaron Petersen	56 90	64	210
3.	Hank Liljequist	49 62	84	195
4.	Dick Diers	58 33		91

CATAPULT GLIDER (12)

1.	Herm Fessler	44 37		81
2.	Mike Spiess	28 24		52
3.	Gary Crawford	30 13		43
4.	Garrett Crawford	16 26		42
	Dick Diers	18 24		42
6.	Aaron Petersen	15 20		35
7.	Dell Marchant	14 15		29
8.	Don Spehn	11 16		27
9.	Gary Fessler	12 11		23
10.	Pete Owen	09 02		11

HLG (12)

1.	Garrett Crawford	28 26	48	102
2.	Tim Johnson	38 20	39	97
3.	Gary Crawford	23 20	23	66
4.	Mike Endersbe	23 21	20	64
5.	Aaron Petersen	17 12	21	50
	Mike Spiess	15 19	16	50
7.	Don Spehn	14 15	18	47
8.	Dick Diers	14 05	17	36
9.	Pete Owen	11 07	09	27
10.	Gary Fessler	06		06

JUNIOR EVENT (2)

1.	Garrett Crawford	11 23		34

A-1/A-2 NORDIC (1)

DNF

OKTOBERFLUG RESULTS Oct. 10, 1993

More wind....Herm Fessler managed only 31 points this time...but enough to be high point for the day.

½A GAS (10)

1.	Gary Oakins	90	90	90	270
2.	Dell Marchant	55	90	71	216
3.	Don Spehn	90	52		142
4.	Denny Sussman	90			90

A GAS (11)

1.	Dick Bloomquist	90	90	90	270
2.	Gary Oakins	52	55	41	148
3.	Hank Liljequist	59			59

BCD GAS (6)

1.	Don Spehn	76	83	90	249
2.	Dick Bloomquist	88	90	66	244
3.	Gary Oakins	90			90

NOSTALGIA GAS (8)

1.	Norm Janzen	90	58		148

.020 REPLICA (6)

1.	Dick Bloomquist	40	55	75	170
2.	Dell Marchant	83	87		170

A/1-A/2 NORDIC (3)

1.	Herm Fessler	47	49	90	186
2.	Don Berggren	41			41

HLG (8)

1.	Garrett Crawford	60	38	42	140
2.	Dave Braun	41	35	53	129
3.	Jack Hanson	26	24	35	85
4.	Gary Crawford	32	22	25	79
5.	Don Spehn	16	17	24	57
6.	Gary Fessler	17	13	08	38
7.	Aaron Petersen	07			07

MULVIHILL (8)

1.	Aaron Petersen	90	90	90	270
2.	Joe Huettl	90	88	90	268
3.	Jack O'Leary	90	90	86	266
4.	Dave Braun	90	75	69	234

P-30 (8)

1.	Herm Fessler	90	90	85	265
2.	Joe Huettl	60	78	90	228
3.	Don Berggren	90	70	49	209
4.	Gary Oakins	53	69	69	191
5.	Hank Liljequist	60	28	76	164
6.	Aaron Petersen	45			45

EMBRYO (7)

1.	A. Petersen (5)	51	90	90	236
2.	H. Fessler (9)	55	90	73	227
3.	Joe Huettl (9)	34	43	46	132
4.	H. Liljequist (9)	16	36	34	95
5.	D. Berggren (5)	16	21	24	66

O. T. RUBBER (3)

1.	Aaron Petersen	90	84	90	264
2.	Herm Fessler	90	90		180
3.	Jack O'Leary	90			90

CATAPULT GLIDER (8)

1.	Herm Fessler	44	40	37	121
2.	Jack Hanson	36	33	22	91
3.	Gary Crawford	22	25	35	82
4.	Don Spehn	25	26	22	73
5.	Aaron Petersen	17	34	14	65
6.	Gary Fessler	14	15	09	38

JUNIOR EVENT (1)

1.	Garrett Crawford	28	01	16	45

Mini Stick Rules

Model

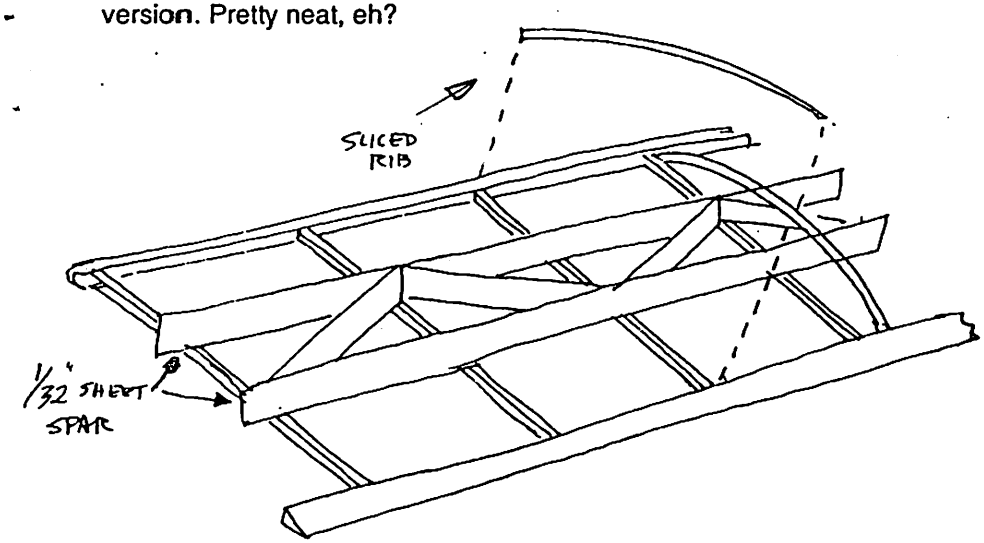
Type.....Monoplane
Max. Span (projected).....7 inches
Max Wing Cord.....2.5 inches
Max Motor Stick Length.....5 inches
Max. Model Length.....10 inches (less the propeller)
Max Stab Area.....50% of the wing area
Covering .....Plastic/Paper. No microfilm
Propeller.....Wood only
Minimum Weight.....015 oz. or .43 gms



Shop 101 - Wings & Things

Observed by Claude Powell, D.C. Maxecuters

Dave Rees, a master modeler from North Carolina, who's construction articles have appeared in numerous issues of Flying Models magazine is a believer in LIGHT construction. He uses sliced ribs along with a very strong internal spar. While the sliced ribs are pretty widely used, the spar is what's interesting. Basically, the bottom 1/16" square strip is laid into place between the leading and trailing edges. Then a spar of the correct depth is laid down sparwise on them at about the 30% and 60% chord point. These two spars can be half the thickness of the usual single spar. At this point, a series of "running" diagonal braces are glued into place to form what is called a "Warren Truss" and then the top sliced ribs are glued into place. When its completed, you have a very rigid, warp resistant wing for the same weight as the normal single spar version. Pretty neat, eh?

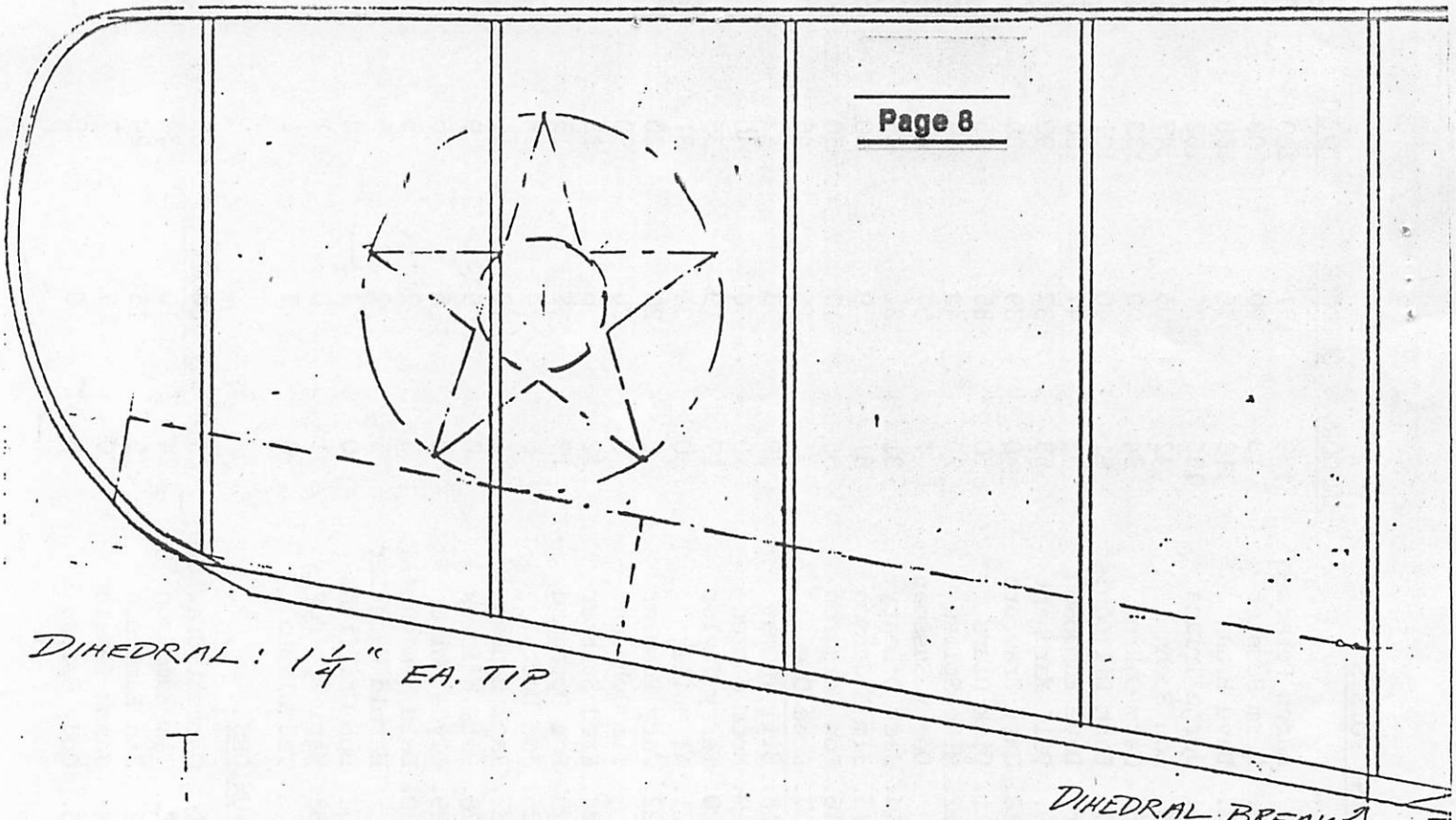


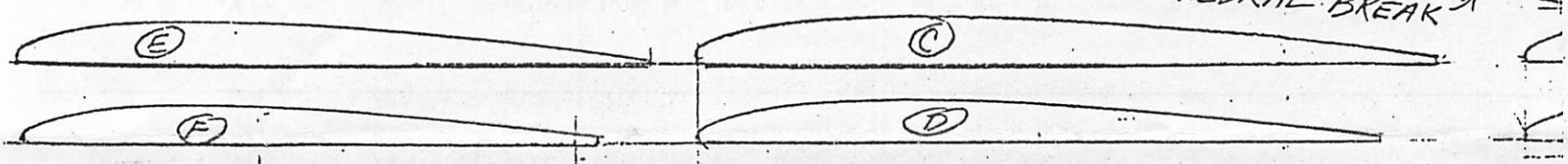
1993 POINTS

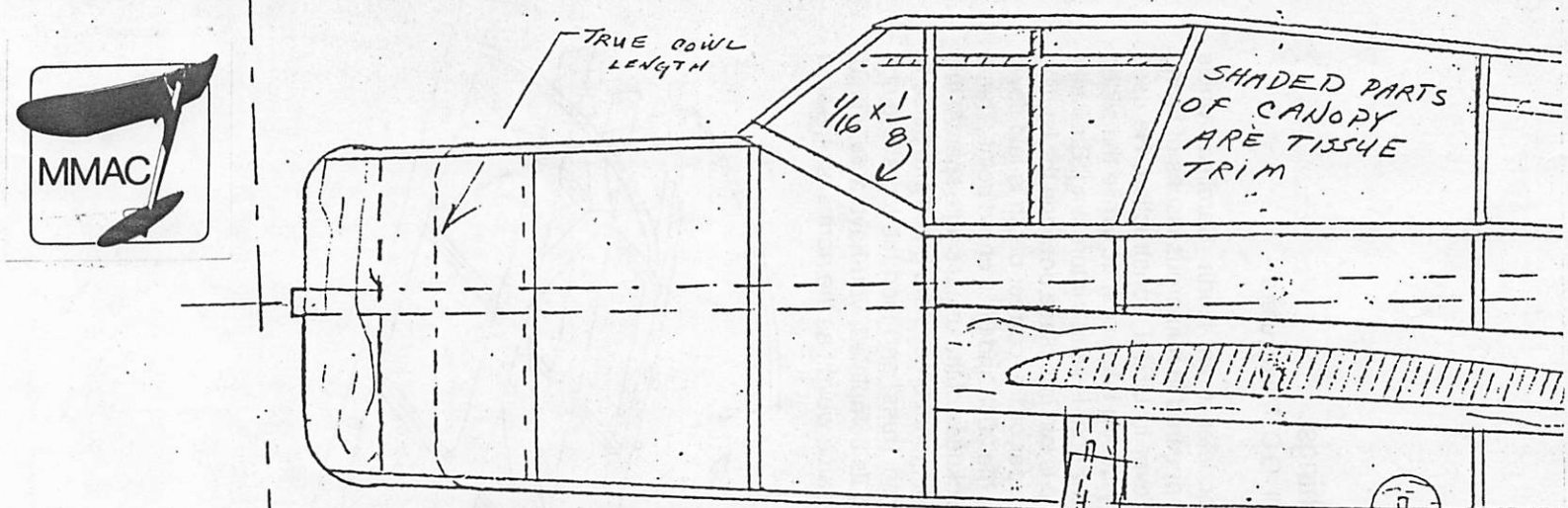
		INDOOR	OUTDOOR	TOTAL
1.	Aaron Petersen	129	151	280
2.	Herm Fessler	18	190	208
3.	Dave Braun	113	75	188
4.	Jorge Triana	135	27	162
5.	Don Spehn	42	105	147
6.	Gary Oakins	34	99	133
7.	Hank Liljequist	61	40	101
8.	Dave Edmonson	53	47	100
9.	Dell Marchant	53	37	90
10.	Gary Crawford	0	89	89
11.	Dick Diers	0	85	85
12.	Mike Spiess	20	44	64
	Denny Sussman	7	57	64
14.	Jack O'Leary	31	32	63
15.	Jim Anderson	51	9	60
16.	Don Berggren	35	15	50
17.	Pete Owen	31	15	46
18.	Bill Thomas	39	3	42
19.	Norm Janzen	0	40	40
20.	Terry Taylor	17	19	36
21.	Al Muller	0	31	31
22.	Gary Fessler	0	20	20
	Tim Johnson	0	20	20
24.	Fred Switzer	12	6	18
25.	Bob Oppegard	13	2	15
26.	Joe Huettl	0	14	14
27.	Jack Hanson	1	10	11
28.	Pete Wilczek	0	9	9
29.	Clyde White	0	6	6
30.	Dale Mendenhall	3	2	5
	Harold Wachtler	3	2	5
32.	Bob Griffiths	0	4	4
33.	Karl Nitardy	1	0	1
	Ted Wlazlo	0	1	1

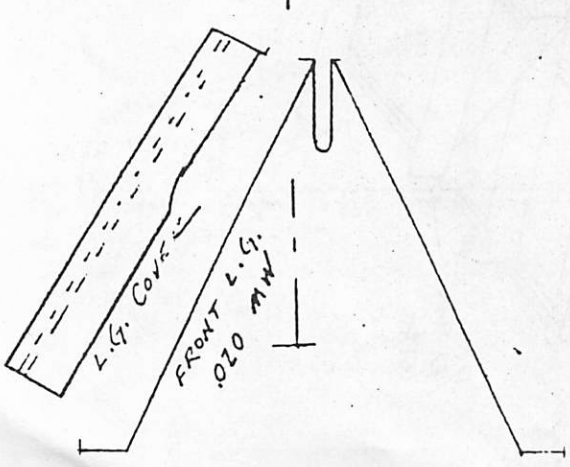
JUNIORS

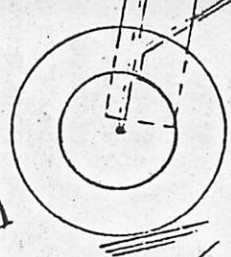
1.	Garrett Crawford	3	66	69
2.	Tim Edmonson	24	10	34
3.	Jon Edmonson	9	15	24
4.	Jason Fessler	0	7	7
5.	Cody Spiess	5	0	5





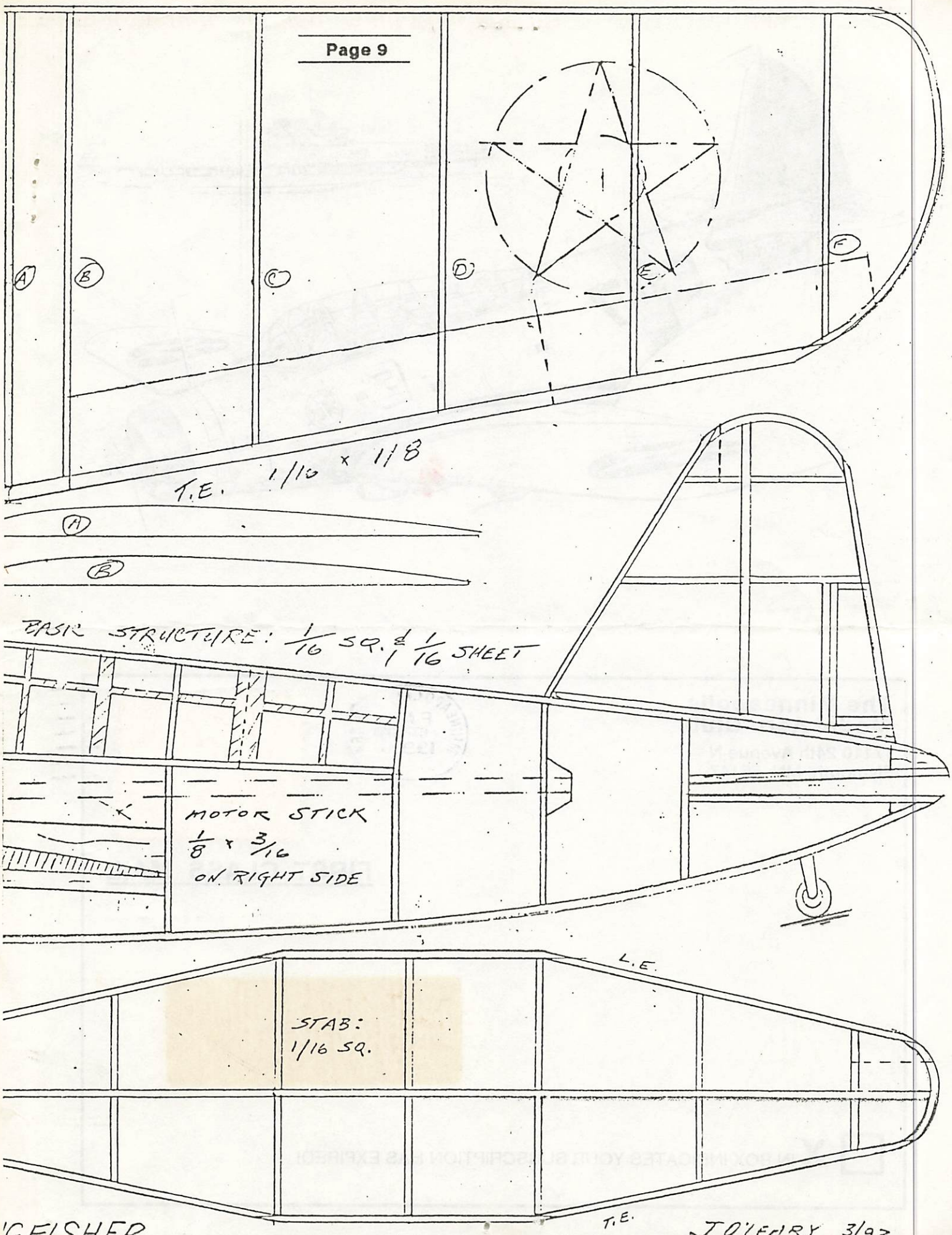






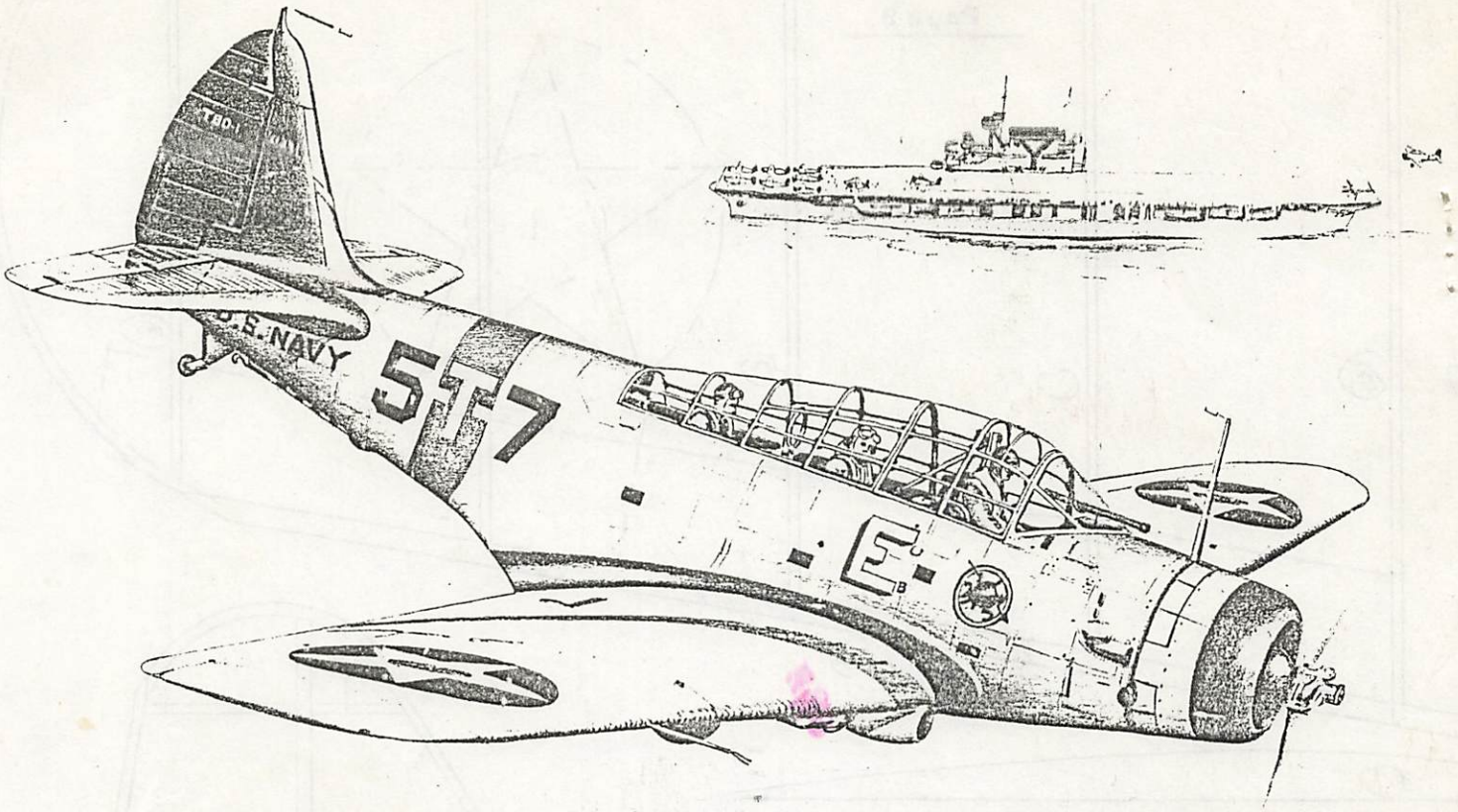
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J. O'LEARY 3/93


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