MINNEAPOLIS MODELER

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No. 246 **Sept. - Oct. 1995**

MMAC
The Minneapolis Model Aero Club

Coming Events

Minneapolis Model Aero Club
1995
Contest Schedule

Sept. 10, 1995 Fall Meet -AA- Sanction # **51031** Dale Mendenhall CD 535 - 2976

1/2A Gas	Mulvihill	Hand Launch Glider
A Gas	Coupe d' Hivre	Catapult Glider
BCD Gas	P - 30	Embryo Endurance
Nostalgia Gas (9 Sec.)	Junior Event A/2 Nordic	Pee Wee 30

October 8, 1995 Oktoberflug -AA- Sanction # **51044** Dave Braun CD 457 - 2264

1/2 A Gas	Mulvihill	Catapult Glider
A Gas	P - 30	Hand Launch Glider
BCD Gas	Embryo Endurance	(A/1 - A/2) Nordic
Nostalgia Gas (9 Sec.)	.020 Replica (12 Sec.) Junior Event	OT Rubber (< '46)

October 29, 1995 Turkey Shoot Flying starts at Noon Aaron Petersen CD 224 - 6136

O'Leary Ink.

OKAY! One of you guys fess up. One of our club members has been using an assumed name. He's been calling himself Herman or Hank or something. when in reality he's Joe Blfstpk, Al Kapp's "Lil Abner" cartoon character who had this dismal rain cloud follow him where ever he went. I could have dismissed the torrential rain at our August 6th contest as some rain cells that centered over the sod farm and persisted for the day as a slightly unusual weather phenomena. but as I wended my way back to my palatial rambler in Bloomington, the sun broke through the overcast and there was little evidence of any rainfall in the south "burbs", giving credence to my hypothesis that something or someone was responsible for the four inches of rain. The following Saturday morning. I had hotcakes & links with the "fly guys" at Peaches and lo and behold. we had the same kind of thick, persistent rain. Will Mr. Blfstpk please acknowledge his identity at our next club meeting so we can drum him out of the corps. (It's Woodhouse. -Ed.)

I spent a goodly part of the August 6th contest day in the Fina Superstation on 109th & Central where my appearance caused concern for the management & the patrons. The customers moved discretely away from this water soaked wretch. When I tried to explain that I was participating in a toy airplane contest, I received the same reaction as if I had announced that our devil worshiping cult had gathered for a ritual slaughter of farm animals.

It was surprising how good the flying was between rain squalls. The air was quite bouyant and many maxes were recorded.

All right ribslicers. we're going to have a Plans Nite at our September 8th meeting. Bring items from your plans' collection and after the usual blah-blah-blah business meeting we'll adjourn to The Kinkos on 96th & Lyndale to share plans. If you have give away plans ,as I do, bring them along.

I've been on the bully pulpit,at our last club meetings. championing the need for the elimination of superfluous events at the indoor contests so we don't have to endure a gut wrenching entry fee increase or an increase in dues to fund our prizes. Jim Ladwig was kind enough to run a tally on his PC and determined that we've already downsized the number of event offerings.In the '94-'95 indoor season we had a total of 58 events at five contests. whereas in this upcoming season. because we're eliminating the April contest (low participation). we'll only be offering a total of 44 events. So. maybe I've been crying wolf. Sorry.There is still need for continuing discussion regarding this problem. You know.prizes to third place where an event has drawn four entrants.

Once again. a reminder bring some plans for sharing on Sept.8, Plans Nite.

Your humble prez, for now,but not for long.



Plans Night - Plans Night - Plans Night

Due to the Labor Day Holiday, the Sept. meeting of the MMAC will be on Sept. 8th at the usual place before adjourning to Kinkos **(Oh No! Here they come again!)** for an evening of plans swapping.

MEETING MINUTES of MINNEAPOLIS MODEL AERO CLUB
JULY 7, 1995 DONALDSON COMPANY, INC.

Called to order at 8:14 P.M. by Interim President John O'Leary.

TREASURER'S REPORT- Treasurer Gary Fessler says balance is $1300.

SECRETARY'S REPORT- Minutes approved as printed in newsletter.

CORRESPONDENCE-
1. Greg Murphy, Asst. Principal of Mpls. Jr. Academy, suggests the following as agreeable dates: Nov 12, Dec 17, Jan 28, Feb 18 and Mar 17. We will have the gym from 1:00 to 6:00 for a fee of $75 per session.

2. The Pelicans Old Timers and the Bong Eagles have a contest on August 6 at Bong Field, which conflicts with the MMAC contest on that date.

3. The Tri-County Aero Club sponsors the Mid-America FF Championships AAA contest on October 8 and 9 at Lawrenceville, which conflicts with the MMAC Oktober Flug on the 8th.

4. Miscellaneous Events (from Jim Ladwig)-
a) Special offers by Hobby Warehouse at 7126 Chicago Ave, Richfield.
b) Display of B-24 & B-17 at MN ANG Museum on July 13 through 15.
c) Tour of Fisk's Amjet Air Museum at Anoka Cty Airport by EAA Chapt 4.

OLD BUSINESS-
1. MMAC Clothing Items-
a) A few jackets remain, an order blank is in the newsletter.
b) Only size Small shirts remain - consensus is order no more for now.
c) Terry Taylor made and Clyde White seconded a motion that Dennis Sussman order 4 dozen universal size caps in blue, maroon and white at a cost of approximately $200. Motion carried with one dissent.

NEW BUSINESS-
1. Indoor Schedule and Events-
- Sheet No-Cal redundant and Parlor Mite & Mini-stick duplicative.
- Sign up for events in advance of season, to show likely activity?
- Any forthcoming events? Legal Eagle is a possibility.
Subject tabled until next meeting. Terry Taylor suggested members spread the word about the topic, due to the newsletter schedule.

2. Plans Night-
Interim President O'Leary proposed an after-meeting plans copying session at nearby Kinko's (97th & Lyndale). Costs are 10 cents per inch for a copy 36 inches wide, 10 cents per sheet for 11x17 copies. General agreement to meet 8:00 at Donaldson Co., 9:00 at Kinko's on the September meeting night. Everyone to bring plans for others.

Gary Oakins arrived in time to tell us of the wet and windy FF Nats he and Dick Bloomquist attended but missed prizes. Gary commented that Walt Billet, pioneer hobby dealer in Mpls, was holder of AMA#2.

Henry Liljequist and Don Berggren simultaneously moved to adjourn and Karl Nitardy seconded. Meeting adjourned at 9:06 P.M.

SHOW & TELL- No presentations.

Respectfully submitted by Jim Ladwig, Interim Secretary

MEETING MINUTES of MINNEAPOLIS MODEL AERO CLUB
AUGUST 4, 1995 DONALDSON COMPANY, INC.

Called to order at 8:13 P.M. by Interim President John O'Leary.

SECRETARY'S REPORT- July meeting notes read by Jim Ladwig.

TREASURER'S REPORT- Treasurer Gary Fessler stated the balance is $1300, and that bills to date are paid, but warned that purchase of $200 worth of caps and $400 worth of patches will sharply reduce the balance.

OLD BUSINESS-

1. Indoor Schedule and Events
MMAC Pres. John O'Leary and MJA Asst. Principal Greg Murphy have agreed upon dates for the 1995-96 Indoor Contests. MJA really appreciates the work our club members did in replacing the ceiling tiles in the gym and it appears that we do have a probable long term relationship.

Because of poor attendance in recent years, the April contest will be dropped this year. The schedule is:

November 12, 1995	Trim Session (no CD)
December 17, 1995	Dave Braun, CD
January 28, 1996	Gary Oakins, CD
February 18, 1996	Hank Liljequist, CD
March 17, 1996	Dale Mendenhall, CD

We have access to the gym no earlier than 1:00, contest flying at 2:00.

Discussion of indoor events included the following:
Herm Fessler - 13 events per contest is ridiculous. (Outdoor schedule.)
Gary Oakins - Jim Haught was the only AMA official to visit the FF Nats at Muncie, and he was a contestant.
Ted Wlazlo - Hub Hobby is sponsoring a program on Ch 41 (Sun. at 12:30) and perhaps we could get some free-flight video shown there.
Al Muller was ruled out of order, again.
Aaron Petersen - Should we introduce Legal Eagle in 1995 season?
John O'Leary - Phantom Flash could be cut back.
(Unrecorded) - Need Indoor Hand Launch be flown one person at a time?

Motion was made by Bob Oppegard and seconded by Dennis Sussman to:
1. Rotate the sequence of event categories (Ultralites, Gliders and All Others) over the course of the indoor season.
2. Eliminate Sheet No-Cal, alternate Parlor Mite & Mini-Stick events.

Motion carried. O'Leary and Ladwig to set details of event schedule.

2. Plan Fair (name suggested by Terry Taylor.)
Terry Taylor moved (Bob Woodhouse second) that the club sponsor a Plan Fair immediately after the Sept 8 meeting, to be held at Kinko's (9707 Lyndale, in the mall). Motion passed with one dissenting vote.

The newsletter is to invite all members to bring their model plane plans for review and possible copying by other members on the night of Sept 8.

NEW BUSINESS-

1. Small Fish Fry
Gary Oakins announced he will bring the sunfish (cleaned) and a grill for the social hour following the August 6 contest. Dennis Sussman will bring brats for those so inclined.

2. Contest Prizes

a) Aaron Petersen will bring latest copy of the MMAC Info Sheet to the Aug 6 contest and work with Dennis on an update for prize sponsors.
b) Gary Fessler will help Dennis computerize his list of 57 donors.
c) Last year's 13 pewter mugs plus lower-place prizes cost $500. Terry Taylor moved and Al Muller seconded that a less expensive mug be awarded this year, and that we return to the practice of giving only first-place prizes at the Oktober Flug contest. Motion carried.
d) Dell Marchant's moving will put a crimp in source of contest prizes. Tim Johnson stated there are 4 hobby shops in Richfield and suggests that Hobby Warehouse (mostly RC) might be willing to carry FF items.
e) Campbell has some good kits and offers clubs 50% off on one order. Dennis is to wait until after member dues are collected in December before placing an order for outdoor prizes from Campbell.

3. Celebration of Dell Marchant's Leaving.
A committee will select a date and location to honor and roast our own Dell Marchant who has contributed greatly to this club. This may mean an assessment of members, but who would object?

4. Donation of First Aid Kit
Mike Spiess donated a first-aid kit for any injuries at contests. Also, anyone with a cellular phone might bring it to the contests to speed the calling of medical help in the event it is needed. Tim Johnson has one.

Henry Liljequist moved and Ted Wlazlo seconded to adjourn at 9:30 P.M.

SHOW & TELL-No items were brought to this evening's meeting.
Raffle was won by Jeff Lange, consolation went to Bob Oppegard.

Respectfully submitted by Jim Ladwig, Interim Secretary.

xxxx

MMAC Summer Meet - July 16, 1995

1/2 A Gas (11)

1. Jorge Triana	120	120	120	**360**		120	**333**
2. Jim Jorgensen	110	120	120	**350**		93	**331**
3. D. Sussman	114	79	120	**313**			
4. Hank Liljequist	66	88	120	**274**			
5. Gary Crawford	70	80	97	**247**			
6. Gary Oakins	70	117	40	**227**		93	**213**
7. Dick Bloomquist	94			**94**		120	**214**
8. Dell Marchant	77			**77**			
9. Gary Fessler	43			**43**	(6)	120	**163**
						118	**161**

A Gas (10)

1. Gary Oakins	120	120	120	**360**
2. Gary Crawford	120	110	120	**350**
3. Jorge Triana	99	120	120	**339**
4. D. Sussman	116	82	120	**350**
5. Al Muller	95	90	120	**305**

BCD Gas (4)

1. Dick Bloomquist	120	120	120	**360**
2. Al Muller	116	120	120	**356**
3. Jorge Triana	120	114	71	**305**
4. Gary Oakins	120	31		**151**

Embryo Endurance (6)

1. Aaron Petersen	70	119	98	+5	**292**
2. Herm Fessler	86	95	94	+9	**284**
3. Bill Rogers	78	70	104	+9	**267**
4. Miker Spiess	23	69	120	+8	**220**
5. Joe Huettl	69	67	58	+9	**203**

Pee - Wee 30 (4)

1. Jorge Triana	100	107	85	**1750**
2. Hank Liljequist	75	91	87	**1610**
3. R. Kumferman	43	22		**427**
4. Mike Spiess	86			**370**

OT Rubber (6)

1. Herm Fessler	120	109	120	**349**
2. Aaron Petersen	120	92	120	**332**
3. John O'Leary	97	103	120	**320**
4. Mike Spiess	72	120	86	**278**
5. R. Kumferman	60	95	97	**252**
6. Pete Owen	35			**35**

Nostalgia Gas

1. D. Sussman
2. Al Muller

C02 / Mini 6 (2)

1. Herm Fessler	65	84	115	**269**
2. Pete Owen	120			**120**

Junior Event (3)

1. E. Sears	120	68	61	**249**
2. J. Fessler	12	12	13	**37**
3. D. Lange	1	2	2	**5**

P-30 (12)

1. Joe Huettl	120	92	87	**299**
2. Mike Spiess	120	48	120	**288**
3. Aaron Petersen	67	100	117	**284**
4. Dick Diers	83	65	120	**268**
5. R. Kumferman	62	120	53	**235**
6. Gary Oakins	70	69	88	**227**
7. Jim Jorgensen	55	44	120	**219**
8. Ted Wlazlo	37	85	49	**171**
9. Pete Owen	35			**35**

Coupe D'Hivre (7)

1. Mike Spiess	75	120	120	**315**
2. Bill Rogers	90	120	103	**313**
3. Aaron Petersen	84	79	73	**236**
4. Joe Huettl	39	61	59	**159**
5. Jim Jorgensen	42	36	52	**130**
6. Hank Liljequist	24			**24**

Mulvihill (4)

1. John O'Leary	120	120	120	**360**
2. Joe Huettl	120	120	98	**338**
3. Dick Diers	83			**83**

Hand Launched Glider (8)

1. Dick Diers	47	36	53	**136**
2. Joe Huettl	60	31	36	**127**
3. Bill Rogers	33	35	36	**104**
4. Gary Fessler	26	26	23	**75**
5. Gary Crawford	23	19	19	**61**
6. Tim Johnson	5	22	29	**56**
7. Fred Switzer	12	7	24	**43**
8. Pete Owen	4	15	5	**24**

MMAC Summer Meet - Aug. 6, 1995

Open Power (12)

1. Jorge Triana	120	120	120	**360**	
2. Dick Bloomquist	120			**120**	
3. Al Muller	116			**116**	
4. Jim Jorgensen	75			**75**	

Nostalgia Gas (5)

1. Dick Bloomquist	120	120	120	**360**	
2. Al Muller	120	85	120	**325**	
3. Hank Liljequist	120	54		**179**	
4. D. Sussman	120			**120**	

Mulvihill (4)

1. Jack O'Leary	120	120	120	180	**540**
2. Sid Jepson	120	120	120	**360**	
3. Ted Wlazlo	62			**62**	

Embryo Endurance (4)

1. A. Petersen	99	87	60	+5	**251**
2. Herm Fessler	71	88		+9	**159**
3. Mike Spiess	58	58		+?	**116**

P-30 (9)

1. Gary Oakins	98	120	89	**307**	
2. Herm Fessler	120	72	93	**285**	
3. Mike Spiess	101	47	102	**250**	
4. Jim Jorgensen	87	63	92	**242**	
5. Ted Wlazlo	43			**43**	

4½"

MMAC Official Contest Rain Gauge

MMAC Scale (2)

1. A. Petersen	120	120		**240**
2. Mike Spiess	15			**15**

Hand Launched Glider (3)

1. Dick Diers	31	29	35	**95**
2. Gary Fessler	10	16	10	**36**

Catapult Glider (8)

1. Herm Fessler	32	34	39	**105**
2. Dick Diers	36	31	35	**102**
3. Sid Jepson	26	33	31	**90**
4. Dell Marchant	22	15	18	**55**
5. Ted Wlazlo	15	16	17	**48**
6. Gary Fessler	12	3	4	**19**
Jason Fessler	2	11	6	**19**

Junior Event (3)

1. Cody Spiess	115	75	112	**302**
2. Jason Fessler	10	22	31	**64**
3. Erik Sears	14	7		**21**

Coupe D'Hivre (5)

1. Jim Jorgensen	37	61	36	**134**
2. A. Petersen	53			**53**
3. Hank Liljequist	38			38

1995 Outdoor Season Points

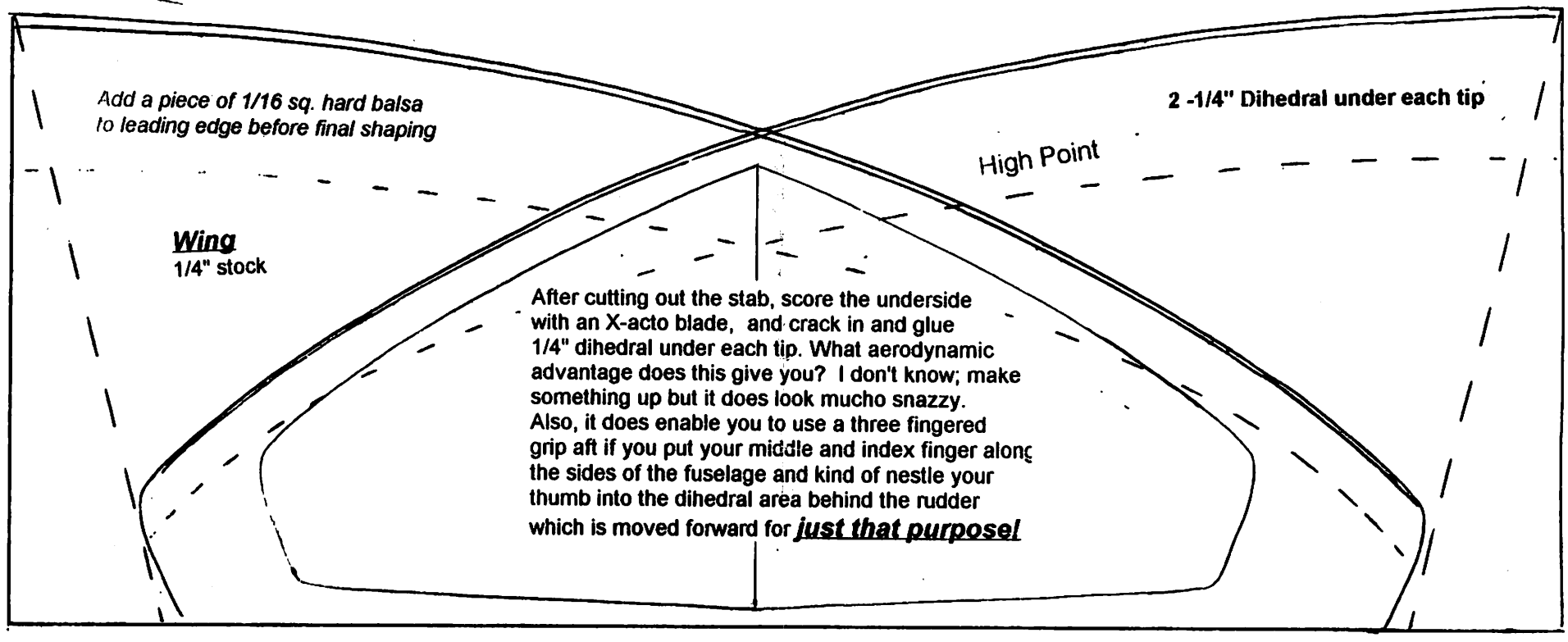
1. Aaron Petersen	89
2. Gary Oakins	78
3. Jorge Triana	76
4. Herman Fessler	71
5. Joe Huettl	61
6. Al Muller	56
7. Don Spehn	50
8. Hank Liljequist	47
Mike Spiess	47
10. Dick Diers	46
11. Dennis Sussman	42
12. Bill Rogers	41
13. Gary Crawford	38
14. John O'Leary	33
Jim Jorgensen	33
16. Terry Taylor	18
17. Bill Roush	12
Dell Marchant	12
19. Bob Kumferman	11
20. Ted Wlazlo	10
Gary Fessler	10
22. Dave Braun	8
23. Tim Johnson	6
24. Garrett Crawford	5
26. Don Berggren	4
27. Fred Switzer	2

Juniors

1. Jason Fessler	7
2. Erik Sears	6
3. Cody Spiess	4
4. Megan Fessler	1
D. Lange	1

Catillac by Dave Braun - MMAC

Take a kind of indoorsy looking design, beef it up so it will withstand mega Gs, catapult-mo-tize it, and you've got yourself an outdoor catapult glider worthy of the symbol of American Luxury.

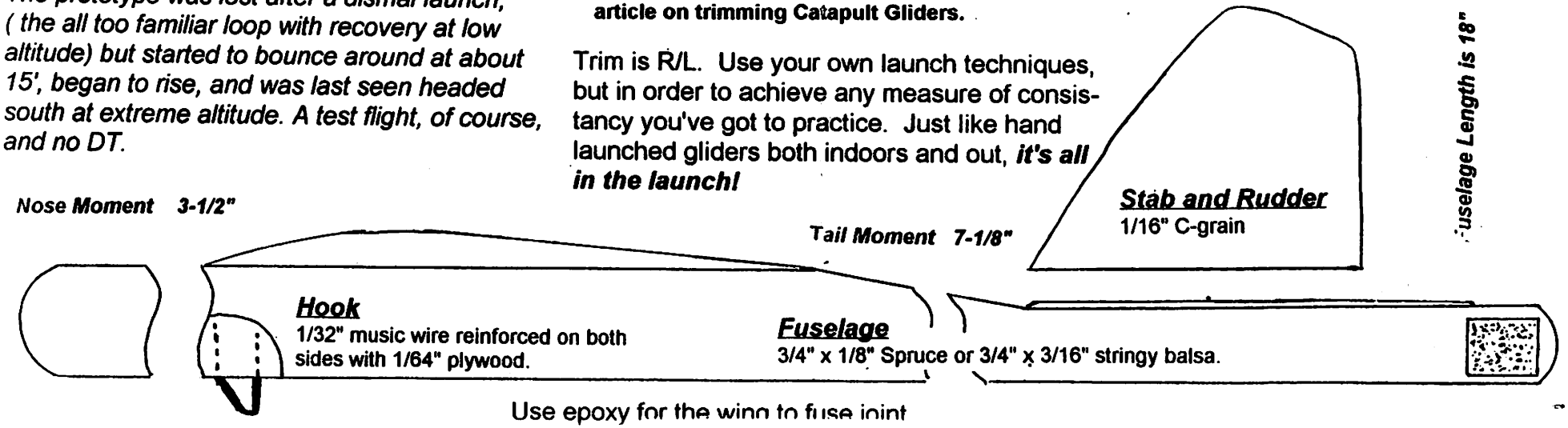


Add 1/16 reinforcement to underside of both wings. Sand and fair to fuselage and wing.

I don't claim to be a whiz at this event, but this plane is a good flyer and has eye appeal. The prototype was lost after a dismal launch, (the all too familiar loop with recovery at low altitude) but started to bounce around at about 15', began to rise, and was last seen headed south at extreme altitude. A test flight, of course, and no DT.

CG @ about 50% - Crack or warp in a little left rudder and a little"up" in the stab trailing edge for starters. **See the July/August issue of the *Mpls. Modeler* for an excellent article on trimming Catapult Gliders.**

Trim is R/L. Use your own launch techniques, but in order to achieve any measure of consistancy you've got to practice. Just like hand launched gliders both indoors and out, ***it's all in the launch!***



Exercise Wisely for HLG—Even at 62!

Taken from America OnLine Thermal Soaring Forum

1. Don't over do, especially at first. Limit yourself to only five or ten throws the first day, and build over a two month period to a limit of about 50 or 60 throws. Remember, even the big league pitchers start to burn out after about 70 throws, and they're half your age.
2. Warm up before throwing. Tossing a softball around is good. Stretch whatever you feel needs to be stretched. Caution: throwing uses more muscles than you think. Legs, back, shoulder and arm are all involved.
3. Throw with a full arm motion (like tossing a javelin). DO NOT whip your arm or you will pay later. Throw level, not up. Trim your model to climb out from the throw. Don't try to throw hard. Concentrate on building a smooth technique. Higher launches will come with better technique. There is a lot of coordination involved, and good coordination yields much better results than massive strength. Don't throw flat-footed. Take a few steps or even run into the throw (again like tossing a javelin).
4. Throw smart. You will need to throw fewer times, and with less energy, if you throw into lift. Work on this aspect the most.
5. Aspirin before and after throwing works wonders. Take a day or two off between sessions unless you are sure you are fully recovered. Don't take so much aspirin as to mask pain from day to day. Pain is Mother Nature's way of telling you to quit. First she whispers, later she shouts. Better to heed the whisper.

Handlaunch is no more strenuous than golf or tennis, but you must condition yourself. Take the time to do it correctly, and you too will feel a righteous disdain for all those "rubber boys" of weak will and back.

by Frank Weston

Frank's advice is good but there is more you should know.

Several years ago I had shoulder problems from throwing RCHLGS and from swimming. The November/December 1992 issue of **Swim** magazine had an article titled "Expert Advice on Preventing and Treating Swimmer's Shoulder." The article said that throwing and swimming use the same shoulder motions. It also warned that ignoring the pain and repeating the hurt may lead to thickening and scarring of the rotator cuff and bursa, causing permanent damage to the shoulder. Some stretches are detrimental to protecting the rotator cuff muscles. The article mentioned that a booklet of exercises was available. Buy the booklet. It was one of the best $5 investments that I have ever made. The booklet is:

***Shoulder and Arm Exercises for Athletes*, published by Champion Press, Centinela Hospital Medical Center, 555 East Hardy Street, Inglewood, California 90301. Phone: (213) 419-8669.**

My shoulder is 62 years old and is no longer a problem. I have strengthened my rotator cuff muscles following the exercises. I do ten repetitions of each exercise in the booklet using 3.3# dumbbells for warm up and then repeat with 6.6# dumbbells.

My shoulder problem started just after I discovered the joy of RCHLG and am I ever glad that the problem is gone. Once in a while I launch directly into a thermal and the plane just keeps rising! Prevention is better than trying to recover from an injury. Good luck and good lift!

by Bob Harold.

Taken from BASS News
The Baltimore Area Soaring Society Newsletter
Steve Pasierb, Editor
21 Redare Ct., Baltimore, MD 21234-1867



Joe Huettl, another Proposition 120 free flighter (illegal Wisconsin immigrant) preps his embryo endurance ship. Joe is a relative newcomer to free flight but got real good real fast and now, along with fellow flier Dick Diers, regularly hauls off loads of points and prizes to Curdland.

chine went about a thousand feet up in the air, and then was sent in various directions, to the no small delight of a large crowd that gathered in the meadow back of the swift property; for it only required the sight of the airship looming its bulk above the fence and buildings, to attract a throng. It is safe to say this time, however, that Andy Foger and his cronies were not in the audience. They were probably too busy removing the soot and red paint.

Although it was the first time Mr. Swift had ever been in an airship, he evinced no great astonishment. In fact he seemed to be thinking deeply, and on some subject not connected with aeronautics. Tom noticed the abstraction of his father, and shook his head. Clearly the aged inventor was not his usual self.

As for Ned Newton his delight knew no bounds, At first he was a bit apprehensive as the big ship went higher and higher, and swung about, but he soon lost his fear, and enjoyed the experience as much as did Tom. The young inventor was busy helping Mr. Sharp manage the machinery, rudders-planes and motor.

A flight of several miles was made, and Tom was wishing they might pay another visit to the Rocksmond Seminary, but Mr. Sharp, after completing several evolutions, designed to test the steering qualities of the craft, put back home.

"We'll land in the meadow and try rising by the planes alone," he said. In this evolution it was deemed best for Mr. Swift and Ned to alight, as there was no telling just how the craft would behave. Tom's father was very willing to get out, but Ned would have remained in, only for the desire of his friend.

With the two propellers whirring at a tremendous speed, and all the gas out of the aluminum container, the *Red Cloud* shot forward, running over the level ground of the meadow, where a starting course had been laid out.

"Clear the track!" cried Mr. Sharp, as he saw the crowd closing up in front of him. The men, boys, several girls and women made a living lane. Through this shot the craft, and then, when sufficient momentum had been obtained, Tom, at a command from the aeronaut, pulled the lever of the elevation rudder. Up into the air shot the nose of the *Red Cloud* as the wind struck the slanting surface of the planes, and, a moment later it was sailing high above the heads of the throng.

"That's the stuff!" cried Mr. Sharp. "It works as well that way as it does with the gas!"

Higher and higher it went, and then, coming