THE MAX-OUT

Newsletter of the Magnificent Mountain Men

AMA CHARTERED CLUB #177



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Editor: Rick Pangell
6994 So. Prescott St.
Littleton, CO 80120
Ph: 303-798-2188

Visit our website at:
www.themmmclub.com
or E-mail us at:
themaxout@aol.com

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2006-8 (Nov-Dec)



PONDERINGS DEP'T

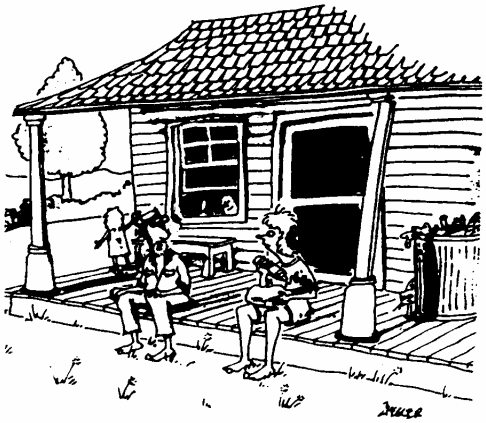
The Max-Out does apologize for its mistakes, like all good politicians. We have to give **Mark Drela** credit for the Prop Efficiency article on page 15 in the last issue, sorry, Mark.

I noticed that the credit was inadvertently omitted (due to much cutting and pasting) when Dave Mills sent me an email asking for me to expand on it with charts and graphs for the upcoming NFFS Sympo. Dave is the Sympo editor this year and is in need of indoor articles, so you indoor guru's out there please help. Dave's email is: davidmillsatl@comcast.net

And, we have been fortunate to have the most active club in the world here based upon the number of reports which makes this and the past few issues quite large! Better for an editor to have material then scrounge for it. Keep up the good work guys!

Therefore, there is lots of indoor this month to wet your whistle!

Thermals! Or, heat from the lights, or whatever…
Rick



Ma…..No-Cal..what does that mean to you?
Seems like just when I get the hang of something,
Don wants 'sumpin' new …

"The MAX-OUT" newsletter is printed about the second or third (?) week of the month. Submissions should be not later than the end of the prior month.

TO JOIN THE CLUB OR SUBSCRIBE

- Full membership is offered to any current AMA member: $35
- (Under age 18 Free)
- SAM-1 Crossover membership: $20
- Newsletter Subscription Only: $15
- Send $ to:
  Chuck Etherington
  33946 Goldfinch Dr.
  Elizabeth, CO 80107-7419

MMM Club Officers and Contact List

President:

Pete McQuade 719-522-1239

Vice President:

Mel Gray 720-851-9498

Vice President At Large:

Jack Ivey 719-635-0944

Treasurer:

Chuck Etherington 303-646-3705

Indoor Coordinators:

John Lovins 303-758-7011
Don DeLoach 719-578-1197

Website Coordinator:

Rick Pangell 303-798-2188

Club Records Monitor:

Dave Wineland 303-499-8566

Flying Site Oversight:

Art Hillis 303-627-2802

Newsletter & Other Stuff:

Rick Pangell 303-798-2188
Steve Jones 303-987-0145

Flying Field Weather Line: 303-766-0020

NEAR TERM EVENTS:

MMM MTG!	**Every Fourth Thursday at 7:00 PM, Dinner at the Castle Cafe in Castle Rock.**
Wings Over the Rockies Indoor 7711 E. Academy Blvd. in the former Lowry AFB Denver	Various Sundays of every month from 1-5pm. Admission $. A good clean site, 24' height Al Yuhasz at al-yuhasz@worldnet.att.net to receive notice by E-Mail.
NOVEMBER 5	**MMM MONTHLY w/SAM-1**
NOVEMBER -19	**MMM INDOOR IN COLORADO SPRINGS**
DEC 10	**MMM ANNUAL MEETING**
JAN 27, 2007 **MARCH 25, 2007**	**MMM INDOOR IN COLORADO SPRINGS**

Note: For those of you who wish to have a real live MMM Club Member Name Tag, you can order them yourself through:

Sun Signs
4420 Tennyson
Denver, CO 80212 - 2310
(303) 477-1594

Call and tell them you are with the Magnificent Mountain Men FF Model Airplane Club. The cost is about $5 delivered to your door.

JOIN THE WEBGROUP DEP'T!

The MMM web Group is the best way to keep current and up on the latest club news traffic. It moves better than the speed of government too!

To learn more about file sharing for your group, please visit:

http://groups.yahoo.com/group/MMMFreeFlight

Just cut and paste this link into your browser and it will bring you right to the page.

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TO AMERICA AND ALL THE SHIPS AT SEA DEP'T

Nov 2006, Pete McQuade "The Prez" Says

It's hard to believe, but it's time to wrap up the outdoor flying season. The last contest is this Sunday, Nov 5. The heavy snow and frigid temperatures seem to be abating, and we could have good weather for the contest. In the past, we've had some amazing November contests, like the incredible "Snow-Max Contest" of 2002 and the surrealistic "flying in the clouds" in 2003. And this time, Murph and Don will be providing some tailgate-type food. (Did someone say "Frito pie?"). Whatever the weather looks like, come on out for one last outdoor fling. You'll be glad you did.

Looking back, it's been a terrific year, with great contests and top-notch flying. The enthusiasm in the club has been amazing this year. Just look at activity in the HLG/CLG "pen" at any of our contests. This club just keeps getting better. And we're growing. The past 3 years has seen steady growth in our membership. And these new members are energetic and skilled. The future of our club is very bright.

Which is one reason we'll have lots to talk about at the **Annual Meeting** which will be **Sunday, Dec 10**, at Bennett's Barbecue, 10025 Park Meadows Dr in Lonetree. (The same place we had it last year.) For those who want to eat, we'll have lunch from 12:00 to 1:00. Then we'll conduct business, and wrap up by 4:00. I'll look forward to talking with you there.

In October, Chuck, Murph and I had a terrific time at the Livotto Invitational and the FAI Team Selection Finals at Lost Hills. I'm writing a two-part article about it for the next couple issues of the MaxOut. I hope it gives you a feel for how much fun it all was. To whet your appetite, I'll tell you that we got to know many interesting people from around the USA and around the world. We had some long, intense, rewarding—and sometimes challenging--practice days in fabulous weather. An exciting flyoff in the Livotto, followed by an incredible moonlight model retrieval. And an amazing Finals with some real surprises. I hope you enjoy it. And I hope it inspires you. It'll start in the next MaxOut.

On a different tack, I recently was informed that a rumor has been making the rounds—nationally--that someone in the MMM suggested that **Tim Batiuk** may have cheated in the HLG event at our FAI Annual. The rumor has it that he put up two gliders into the same thermal, and claimed two maxes, and that this is not allowed. I know that everyone in this club is a great guy. And I know how easy it is for an offhand comment to become twisted and snowball into an out-of-control rumor. But in this case, the result was that an outstanding flier and honorable man has had his reputation unfairly challenged, and has had to defend himself—without ever being confronted by the person who raised the issue in the first place. We do know a few things about this incident. First, Tim did NOT put two airplanes up in the same thermal. It just didn't happen. In fact, he had lost his first glider on an earlier flight, and was down to just one model when the supposed infraction took place. Secondly, even if he <u>had</u> put up two overlapping flights, there is nothing illegal about that, as long as two different timers time them. So, it appears that somebody misunderstood the situation, and spoke to others, but not to Tim. Again, I don't think any of our club members are mean-spirited. But I call on all of us to help maintain the MMM's reputation as the friendliest FF club in America. PLEASE, if you have an issue with something you see a fellow competitor doing, DON'T assume bad motives, and DO approach the person yourself, to clear things up, in a friendly way. In most cases, we'll find it's just a misunderstanding. If not, talk to the CD. Let's not let the MMM be a source of nasty rumors.

This is a great club—the envy of many other clubs. And I'm honored to be serving you. Hey, let's go flying!

PENSACOLA REPORT DEP'T

Hi guys,
I am just back from my contest trip to Pensacola over the weekend 9/7-8. Here's the short version of this meet report: excellent weather and a lot of fun! More later when I am not so tired.
As stated previously, I just returned from the "Gathering of Turkeys" contest in Pensacola. The meet featured very good weather most of the time, with temps in the low-eighties and sunny skies. Paul Andrade drove up from Orlando. He did lots of flying and also got some great pics. He and I pitted with the Texas FAC Squadron (Mike Midkiff and Mike Isermann).
Paul won Mulvihill with a 360+180. I got second when I dropped the first flyoff max badly.
I got second in Moffett and Paul got third. I was flying a brand new model which shows a lot of promise. I short-Dted my first flight for a 1:58…damn!
I managed to win Small OT stick over a crowded field of about 10. I did a 360 plus two flyoff 180s. On Monday morning my Gollywock did 3:25 for second place in the "Gollywocks Galore" one-flight-at-8:30 AM event. The winner did 3:32.

Dawn Mulvihill was interesting. Neither Paul nor I had "real" dawn models but we decided to give it a try anyway. I just wanted to see what my Altmann Nos Wake would do in still air, and Paul was trying out a new "Big Bird" 300 sq. inch Mulvihill. The third entrant was Jim Bethea with a great-flying OT Korda "C". The three of us launched within 2 minutes of each other as soon as the window opened at 7am. Immediately we could see that the models were drifting much further than anticipated. Paul and I both came down off the field beyond some very tall pine trees to the West. We were not hopeful about getting our models back since the land around this field is generally filled with swamps, dense undergrowth, and 50-100 ft trees. I drove around the north side in my rental car and Paul took his bike around the south side. Meanwhile Jim Bethea's timer lost his model in the air at about 2:30. As I followed my weak radio signal and heard it getting stronger I looked ahead through the forest and saw a clearing, then a house, then…my model on the roof! What incredible luck! I ran into Paul about that time, and he had his model too. He had landed in a front yard just a few houses away from me. When we got back to the launch point the timers reported the times: DeLoach 5:16, Andrade about 4:20, and Bethea ?. Jim found his model the next day in a field just short of the housing development where Paul and I had landed.
P-30 was a horse race between me and Paul Grabski. We were the only two to max out of a field of about 8. We each made a 180 flyoff max then I launched my second flyoff max shooting for 180. I rode under the model on a borrowed bike and timed it to the ground at 3:05, but I knew it had landed below a hill so I doubted I got the max. Sure enough the official time was 2:43. Meanwhile Paul G. picked great air and did the max. Another second place for DeLoach. Paul A. also flew P-30 and finished somewhere near the middle of the pack.
I flew some FAC events too. Second in FAC Peanut and third in WWII mass launch.
MMM member Gene Smith (Stillwater, OK) did t he most flying of anybody. I think he won every AMA gas event plus several classic gas and nostalgia. There wasn't a lot of competition in the gas events but Gene flew hard anyway. He also won FAC Golden Age scale with his fantastic Corben Super Ace.
The Pensacola field is very good and the club is first rate, with lots of comraderie among flyers. The Saturday night banquet was outstanding. If you are ever in Pensacola you must go to the Cock of the Walk restaurant, just north of I-10. The best cole slaw and cornbread I've ever had. And the fried chicken was amazing. Yum Yum…. deep south cookin!

--Don

CONTEST REPORT
Colorado Springs Indoor Meet 10/15/06
Don DeLoach, CD

Nine contestants signed up for this the first of four indoor meets at Colorado Springs Auditorium for the 2006-07 season. Several of us picked up some easy club points because at least half a dozen of our indoor "regulars" were missing due to work travel and other conflicts. Expect the November 19th date (6th Annual Autumn Indoor Champs and National Cup Challenge) to draw a lot more flyers.
Some great times were turned in by several flyers, and three club records fell at this meet. Bill Leppard crushed his own Open Pennyplane record by more than a minute and a half, and upped his A-6 record by 11 seconds. Eric Monda—still very new at indoor flying—had his F1M going great and broke Bill Leppard's one-flight site record by 24 seconds. Eric also had a new F1D that was looking great. In the glider events Team Reynolds blackened the airspace with good-flying V-tailed ships. Todd got his catapult glider trimmed out and flying well enough for first place, but only after he'd used up all his official flights.
Based on discussions with various flyers today, I think it makes sense to run Open Pennyplane and F1M as a combined event at all our future meets. They are very close in performance and several guys have them. Also, you can fly a Limited Pennyplane as an Open PP. This means double the flying for owners of LPPs!
The three remaining meets at the Colorado Springs Auditorium are: November 19th, January 28th, and March 25th. All are Sundays and flying will be 9am-5pm each day as usual. The November and March dates will be NFFS Indoor National Cup sanctioned!
Thanks to Bill Leppard, Rick Pangell, Jerry Murphy, Eric Monda, and everyone else who lent a hand at the CD table. When everyone pitches in just a little these meets are a lot easier to run.

HLG

Don DeLoach	33.0+33.2	66.2
Mark Covington	26.5+28.2	54.7
Randy Reynolds	27.6+25.4	53.0
Rick Pangell	22.4+25.4	47.8
Todd Reynolds	24.5+20.5	45.0

Catapult Glider

Don DeLoach	26.8+26.4	53.2
Todd Reynolds	26.0+26.2	52.2
Rick Pangell	27.3+24.2	51.5
Randy Reynolds	22.5+27.6	50.1

Limited Pennyplane

Bill Leppard	7:49
Don DeLoach	7:21
Rick Pangell	6:38
Frank Deis	5:48
John McGrath	3:32

P-24

Rick Pangell	1:38

A-6

Bill Leppard	5:32*
Don DeLoach	4:09

Ministick

Bill Leppard	5:31

Pennyplane

Bill Leppard	12:12*
Don DeLoach	7:11
Rick Pangell	5:59

F1D (1 flight)

Eric Monda	12:02

F1L (1 flight)

Bill Leppard	9:22

F1M (1 flight)

Eric Monda	11:28*

Easy B

Bill Leppard	8:45
Rick Pangell	5:07

FAC No-cal Scale (3 flt. total)

Don DeLoach	8:07
Bill Leppard	4:46

FAC Peanut

Rick Pangell

*denotes new club/site record

CONTEST REPORT
MMM Monthly – Oct 1st '06
Roland Solomon CD

It was a dark and stormy night, but they day was perfect and the flying incredible. Just look at the results!

Three Minute Combo

Bill Leppard	Gollywock	540
Don DeLoach	Mulvihill	462
Paul Andrade	Mulvihill	458
Randy Reynolds	Classic Tow	287
Paul Andrade	Moffett	286
Todd Reynolds	Classic Tow	239

Two Minute Combo

Dick Branca	F1G	355
Bill Leppard	P-30	348
Don DeLoach	P-30	319
Paul Andrade	P-30	224
Randy Reynolds	F1G	120

CLG

Neil Myers	120+117+106	343
Mark Covington	93+64+49	206
Todd Reynolds	78+72+56	206
Randy Reynolds	66+52+42	160
Roland Solomon	53+57+46	156

HLG

Todd Reynolds	120+120+120	360
Mark Covington	120+120+92	232
Randy Reynolds	93+50+50	193
Neil Myers	87+36+35	158

FAI Combo

Pete McQuade	F1A	329

ADVICE TO GRASSHOPPER DEP'T

Hey! 65 is not that old!...and besides, keep this in mind, youth and talent are no match against age and treachery.

Feel better? (Bill "Guru"skieng)

CONTEST REPORT
2006 Max Meet - Oct. 23, '06
Dave Wineland - CD

In spite of the low temperature (Don Deloach said it maxed out at 41 degrees) and a bit of snow remaining on the ground, conditions were actually very good. Almost no wind until about 3:00 PM and then only about 5 - 10 mph. The sun was out after 10:00 AM which made for nice conditions - light thermals; easy chases. Unfortunately, we didn't advertise the Max Meet well enough, and along with the sparse attendance, only Don and Mel Gray entered - so I returned their entry.

Noteworthy was, as usual, Don's high level of participation and the fine flying in rubber by him, Bill Leppard, and Mel Gray. I was also impressed by the HLG/CLG flying by Mark Covington and Neil Myers; both managed to get maxes in CLG, even with the very light thermals. And, welcome back to Chuck Etherington, who was checking out one of his FIC models (looking great!) after representing us well in the Lost Hills finals.

We've been very lucky with the weather this year; let's hope it holds for the final outdoor meet coming up.

Results:

3-Minute Rubber Combo:

Don Deloach (Moffett)	496 s
Don Deloach (Mulvihill)	431 s
Bill Leppard (Gollywok)	310 s
Don Deloach (Gollywok)	297 s

2-Minute Combo:

Don Deloach (P-30)	360 s
Mel Gray (P-30)	120 s
Dave Wineland (020)	78 s

FAI 3 Minute Combo:

Chuck Etherington	654 s

HLG:

Mark Covington	257 s
Neil Myers	108 s

CLG:

Mark Covington	341 s
Neil Myers	232 s
Roland Solomon	22 s

Indoor Freeflight – US NATS and Kibbie

Being retired and an indoor freeflight addict, I took the opportunity to participate in this year's two premier indoor contests- the US Indoor NATS and the Kibbie Dome Indoor Contest. I thoroughly enjoyed both contests and thought that MMM members would be interested in a description of both contests.

US NATS - The US Indoor Nationals were held in the Mini Dome at East Tennessee State University in Johnson City, TN. The Mini Dome was constructed to house a football field so has a lot of floor area. The shape of the dome is a semi cylinder with the axis of the cylinder perpendicular to the length of the football field. This means that everyone flies in the center where the ceiling is the highest – approximately 120 feet. There are a myriad of girders which regularly hang up aggressive flyers. Another "plane trap" is a scoreboard which was installed two or three years ago. The support wires for the scoreboard are real plane magnets. Unfortunately, it's virtually impossible to rescue a plane when it gets hung on a wire on inside of the scoreboard. Fortunately, this year there was little or no drift and what drift there was seemed to be away from the scoreboard. Thus, the scoreboard was not decorated with as many planes as it was last year.

Flying – each day is divided into two sessions: a morning session typically from 7:30 am to 1:00 pm and an afternoon session typically from 1:00 pm to 10:00 pm. The morning session of the first day is devoted to gliders and the morning sessions for the next three days are devoted to FAC and AMA scale. The afternoon sessions and the entire last day are devoted to indoor duration models. In each indoor duration session from 3 to 5 different duration classes are flown and the only class to be flown on two days was F1D. For instance, on the first day the duration classes flown were intermediate stick, 35 cm, and the first day of F1D. While having nine hours to fly per session may seem like a lot of time, I find that flying more than two classes in any one session is all I can handle, particularly when the times per flight are twenty to thirty plus minutes.

Results – This year there were 95 registered entrants. I was very fortunate this year to finish in the trophies (actually plaques) in five different events: 1st in hand launched stick, 2nd in 35 cm, 2nd in Open Penny Plane, 3rd in Intermediate Stick, 3rd in F1L, and 5th in Limited Penny Plane. The number of trophies awarded is based on the number of entrants. Usually, trophies are awarded to the first three places, but for events such as Open Penny Plane with a high number of entrants trophies were awarded up to sixth place. The winning times in the duration events are:

Intermediate Stick	36:35	Ray Harlan
F1D	68:56 (2 flts)	Steve Brown
Hand Launched Stick	31:33	Bill Leppard
Bostonian	12:33	Emil Schutzel
EZB	30:06	Jim Richmond
Ministick	12:41	Larry Loucka
Manhattan	12:48	Walt Van Gorder
Open Penny Plane	17:14	Jim Richmond
Limited Penny Plane	15:16	Jim Richmond
A-6	10:21	Tom Sova
35 cm	28:20	Tom Sova
F1L	41:20(2flts)	John Kagan
F1M	38:05	Fred Tellier
AROG	20:20	Larry Loucka

Of special note at this year's Indoor NATS is that one of our own, Rob Romash, was the CD and did one heck of a job – Thanks Rob!!!

KIBBIE - The Indoor Kibbie Contest was held at the Kibbie Dome at the University of Idaho in Moscow, ID. Like the Tennessee Mini Dome, the Kibbie Dome is an indoor football arena. Like the Tennessee Mini Dome its shape is semi cylindrical, but the axis of the cylinder runs the length of the football field which means that the entire football field is usable for flying. The Kibbie dome is 150 feet high and has no girders; however the ceiling is covered with suspended white tiles. The tiles are arranged in sections with gaps between the sections, so that it is possible to fly through a gap and land on the top of the tiles on an adjacent section. This happened to several planes during this years contest. Fortunately, the maintenance people can open hatches above the suspended tiles and push the stranded planes free (if they can initially locate them). The only flying impediments are two curtains which are reefed and are lifted to a height of about 120 feet. These curtains divide the flying area into thirds. Another impediment in the center section is a scoreboard, however it is sheathed in plastic and does not ensnare models, they just hit it and slide down. This year we flew light duration models (F1D, 35 cm, and Intermediate Stick) at one end while the heavier duration models were flown at the other end. At the same time, the FAC scale guys were flying in the center section.

Flying - One of the big differences with the Kibbie contest is you can fly what you want when you want as there are no time slots for the different classes. The other big difference is the very laid back atmosphere. We flew for five days from 8:00 am until 8:00 pm. The glider folks flew from 8:00 am to 9:30 am and the rubber folks flew the rest of the time.

Results – I believe that the final number of participants was 39, smaller than the turn-out for the NATS, but a good number of very excellent flyers. The winners and times were:

Intermediate Stick	32:38	Bill Leppard
F1D	32:37 (1 flt)	Mark Bennett
Hand Launched Stick	29:37	Bill Leppard
Bostonian	4:23 (1flt)	Mike Palrangl
EZB	28:43	Andrew Tagliafico
Ministick	12:25	Mark Bennett
Open Penny Plane	16:28	Mark Bennett
Limited Penny Plane	15:16	John Lenderman
A-6	8:04	John Lenderman
35 cm	25:46	Bill Leppard
F1L	21:16(1flt)	Wally Miller
AROG	19:29	Wally Miller

These times were very competitive with those listed above for the NATS. I found that I needed to recalibrate my VP and use more turns/torque at Kibbie to achieve about the same times as I had at the NATS. Don't fully understand why the differences (then again, there are a whole bunch of things about indoor that I don't understand). People have postulated that it's the altitude (2500 ft vs 1500 for the NATS) or the temperature (cooler at both the floor and ceiling levels), and/or the humidity (much lower and comfortable humidity at Kibbie). The people at Kibbie were very congenial and very competent flyers.

All in all, I had a fantastic time at both events. If you are at all interested in indoor, then I would strongly encourage you to attend one or both of these events next year. If you don't feel that you are competitive, don't worry, they are both great places to practice, great places to learn, and great places to have a lot of fun. You can fly your heart out and you're not obligated to post a single official time. The one thing that I've learned about indoor flyers is that they are more than willing to give as much help and advise as you ask for – you just have to ask.

Supporting the Kibbie contest is particularly important as I believe that the CD Andrew Tagliafico either just covered the expenses or fell slightly short. If we indoor flyers don't support important contests such as the Kibbie Contest, then we will loose access to a premier indoor flying site and that will be another step toward the demise of indoor flying.

Remember that we have two MMM indoor contest scheduled for this Fall – get building and see you there!!!

Bill Leppard

Indoor Free Flight!

With the Magnificent Mountain Men

Sunday November 19th, 2006

Flying site is the historic Colorado Springs City Auditorium, downtown, corner of Weber and Kiowa Streets – 37 ft. ceiling

Contest Directors
Don DeLoach – 719-964-7117 – ddeloach@adelphia.net
Rob Romash - 719-359-6999 - cgrain1@yahoo.com

Flying Hours: 9:00 AM to 5:00 PM
(practice & fun flying during the contest is permitted but official flights have right-of-way!)

Events: all Junior-Senior-Open combined unless otherwise noted. Please note the launch windows—these times will be strictly enforced.

Launch Window	Events
9:00 AM – 11:00 AM	**GLIDERS ONLY** Hand Launched Glider - (J)(SO) Unlimited Catapult Glider - (J)(SO) Standard Catapult Glider - (J)(SO)
11:00 AM – 2:00 PM	**HEAVYWEIGHTS (model s heavier than 2 grams)** **(LIGHTWEIGHTS may fly at your own risk)** FAC Peanut Scale, FAC No-Cal Scale, S.O. "Wright Stuff", P-24, Bostonian 7 gram, Junior Rubber (J) ****,** Limited Pennyplane, Open Pennyplane/F1M combined.
2:00 PM – 5:00 PM	**LIGHTWEIGHTS ONLY (models not more than 2 grams)** FIL(J)(SO), Easy B, Ministick, A-6.

*****Flown to current Science Olympiad rules. ******Any rubber powered model, Juniors only (15 and under)

Important Information:

- The following events will be awarded NFFS National Cup points. Rubber: Limited Pennyplane, F1L, Ministick, Wright Stuff, Glider: HLG, UCLG, SCLG
- Link to AMA rules: http://www.modelaircraft.org/templates/ama/PDF-files/Rulebook/indorff.pdf
- Link to FAC rules: http://www.theplanpage.com/things/01facrules.pdf
- Link to NFFS National Cup rules: http://www.freeflight.org/competition/IndoorNationalCup/info.htm
- Entry fees: Open: $10 - unlimited events. Jr./Sr. $1 - unlimited events
- Awards: MMM season points, NFFS NC points, bragging rights, maybe some merchandise!
- Sorry, no RC flying
- Tables and chairs provided on sitE

SEASON'S POINTS THRU OCTOBER

Overall	Points	Total Maxes
Don Deloach	250	50
Rob Romash	195	29
Bill Leppard	181	35
Randy Reynolds	127	26
Rick Pangell	100	13
Todd Reynolds	88	15
Jerry Murphy	63	14
Tim Batiuk	60	20
Dick Branca	55	13
Darold Jones	54	12
Pete McQuade	52	32
Bill Lovins	46	15
Mel Gray	44	15
Gene Smith	37	14
Paul Andrade	30	7
Bob Miller	27	3
Mark Covington	26	4
Art Hillis	25	9
Jon Davis	24	16
Dave Wineland	24	9
John Lovins	20	
Ed Wiley	15	21
Roland Solomon	15	
Stan Huyge	15	3
Duane Hjerleid	13	5
Herb Kothe	13	7
John Anders	11	4
Bill Gieskieng	10	1
Jack Ivey	10	
Neil Meyers	10	1
Eric Monda	9	
Chuck Ethrington	9	3
Cass Pangell	7	2
Dave Ramsey	6	
Frank Deis	4	
Al Yuhasz	3	1
Fred Carstens	3	1
Matt Huyge	3	1
Raymond Fair	3	1
Ryan Reynolds	3	
John McGrath	2	
Fred Carstens	1	
Steve Smith	1	

"FLYING MODELS" DISCOUNT LINK

Here is a link to a discount broker for Flying Models magazine:
http://cgi.ebay.com/1yr-FLYING-MODELS-Magazine-Subscription-12-NEW-Issues_W0QQitemZ6965321148QQihZ014QQcategoryZ16118QQrdZ1QQssPageNameZWD1VQQcmdZViewItem

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For those who don't already subscribe, FM still has great FF content.

INDOOR FOR EVERYONE COMING THIS SEASON!

All dates are Sundays at the Colorado Springs City Auditorium

Nov 19th 6th Annual MMM Fall Indoor Champs and National Cup Challenge. AMA Sanctioned.
CD: Don DeLoach

Jan 28th 2007 – MMM indoor meet at CS Auditorium. Not AMA sanctioned but counts for club points.
CD: Rob Romash

March 25th 2007 – MMM Spring Indoor National Cup Challenge. AMA Sanctioned.
CD: Rob Romash

Events at these meets: HLG*, Standard CLG*, Unlimited CLG*, Limited Pennyplane*, F1L*, Ministick*, F1M/Open Pennyplane Combined, FAC No-Cal Scale, FAC Peanut Scale, A-6, EZB, Bostonian. Additionally, any event in which there are three or more flyers will be contested. * = NFFS National Cup events

All meets:
9am-11am gliders only
11am-2pm – rubber only
2pm-5pm – lightweight rubber only

MYPAL NOCAL DEP'T

Hi everyone,

I want to hold an FAC WWII No-Cal scale mass launch event at all future indoor meets. I know of several clubs who hold this event and it is quite popular.

No cal models are quick and easy to build. Obviously time is short for getting a model ready for Nov 19th, but I have quite a few plans to share. I will go dig them up and let everyone know what I have. In the meantime check out Mike Morrow's offerings at http://members.aol.com/aalmps/nocal.html.

The FAC rules for No-Cal are copied below. The difference is this event will be "combat", eg, mass launch, one flight--last one down wins. Another rule: minimum weight without rubber will be 6.2 grams. This is the USIC/AMA Nats standard for No-Cal and is within reach of anyone. There are no prop or rubber restrictions.

To be eligible your model must be an aircraft which a) saw actual combat in WWII or b) have been mass produced and intended for WWII combat. Fighters or bombers are eligible.

A bonus: your WWII model is eligible to fly in regular No-cal at our indoor meets—no judging and a three flight total.

Don DeLoach

Here are the Official FAC Rules:

1. Event intent: Competition for recognizable profile scale models.
2. Scale considerations:
    A) Motor sticks shall not exceed fuselage length.
    B) Surfaces may be single covered.
    C) All wing struts must be on the model.
    D) Model must be in correct color scheme.
    E) Model must have control outlines, registration numbers, etc.
1. D) Have proof of scale. Judge's decisions are final.
2. Wing span: 16 inches maximum.
3. Prop diameter: NA.
4. Launch technique: hand.
5. Landing gear: aircraft with fixed landing gear must have each
6. landing gear represented as per the original subject.
7. Official flight:
    A) 20 second minimum.
    B) NO MAX!
8. Scoring: total of three flights.
9. Bonus points: NA.
10. Tie breaking: fly off

(**Note to prospective No-Cal builders:** I actually went to the website and downloaded a plan and got it copied to the correct size at Kinko's. You can take ANY 3 view of a WW-2 model and do the same. Total time and cost: 1-1/2 hours and 85 cents, plus gas. I had enough scrap lumber and tissue so there was no cost for that and I have a computer to use the ink-jet on tissue graphics. If you have a color 3 view it's easy, but you still have to mess with the print on tissue deal at Kinko's. I suppose I could have done the graphics at Kinko's too for about 2 bucks. It took me a total of 3-1/2 hours to build and assemble the model per the plans. ***Read on to the next page for other tricks*** - Rick)

From SAM NX-211, Saint Louis MO
Creating Insignia and Markings
by Frank W. Beatty

Colorful appropriate markings, insignia, and lettering can bring our models to life. Suitable markings may be furnished in the kits we buy or can be purchased at hobby shops. Scratch builders can generate suitable markings on home computers or at copy centers such as Kinko's, but sometimes none of these options will do the job.

This describes an additional system of creating markings that has worked on half dozen or so of my models.

Obtain a piece of plate glass 12 x 12 or 12 x 18 inches with the edges ground round to prevent cuts. Coat one side with a sudsy, soapy film of water. (I use a bar of Oil of Olay hand soap.) When dry, spray with coats of dope. It can be clear or colored coats depending upon how you will go about creating the images.

The clear, doped glass can be placed directly over a full-size pattern of the image you are duplicating. Designs such as an Indian Head Squadron insignia or unusual lettering can be painted or inscribed directly above the pattern below using model dopes or FW Acrylic Artist ink. These inks can tolerate some handling and will not be affected by the protective clear dope overspray that will follow.

If there are large, unusual-style letters or numbers, then. spray the glass with that color. Trace the outlines on the plate and then cut around the outline with an X-Acto knife. The soapy film will act as a release agent and these images will easily lift off the glass.

Trace around where the image will be located on the model and paint that area with a very watery, thinned-out mix of Elmer's Glue and then apply the image to that area. Squeegee out any surplus glue and level out any bubbles. This application of glue sets the image to the model surface and will prevent crazing or distortions from occurring when a protective, clear dope overspray is applied to the area.

The colored dopes can be sliced into very thin strips and used for pin striping around lettering, etc. These thin strips and images we have created are surprisingly strong and will tolerate considerable handling without breaking up.

Here's to prettier models!

ASK SOMEONE WHO IS A CHAMP DEP'T

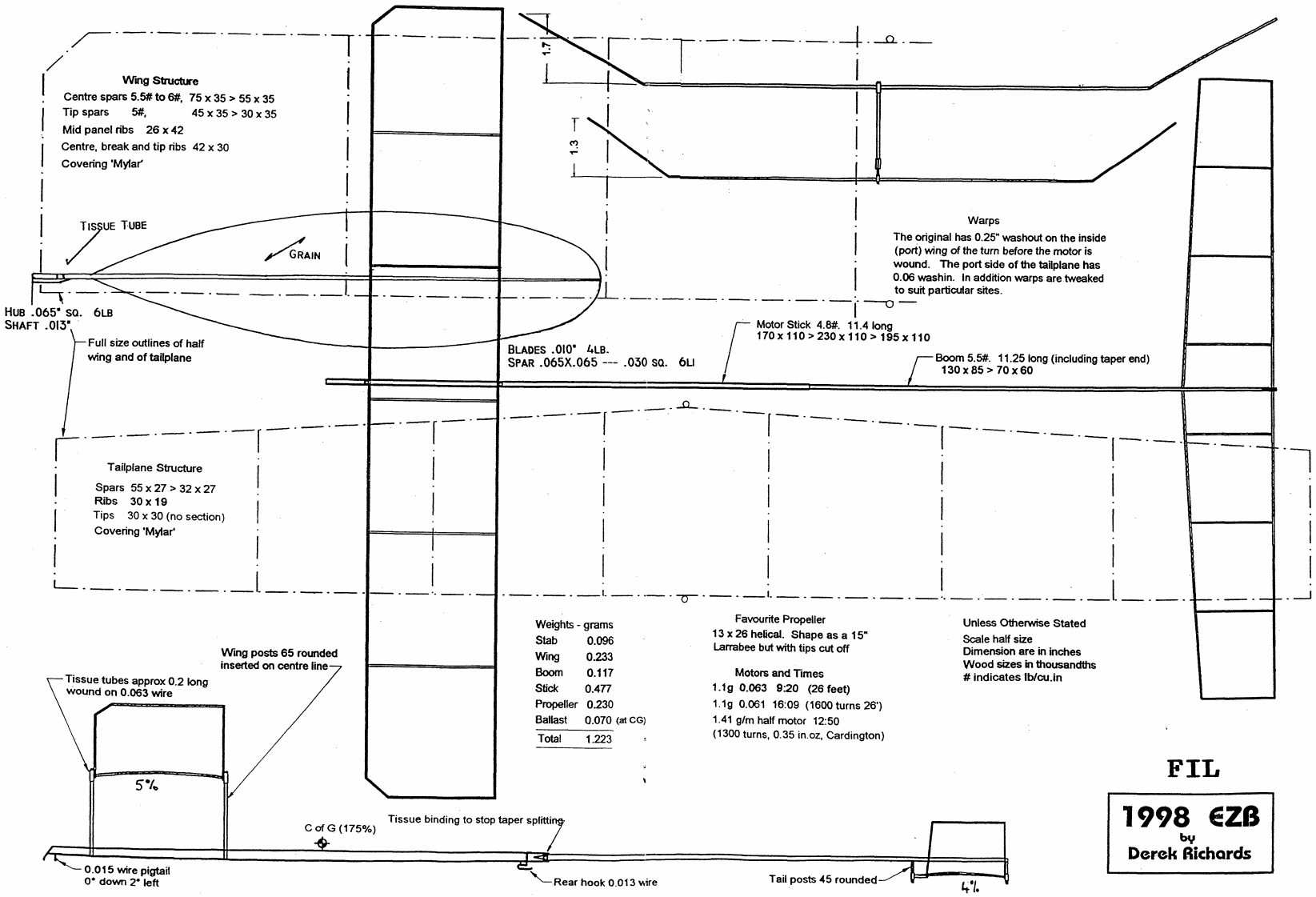
Bill (Leppard),
What do you use to form your props? Do you use the cylinder method or do you carve your own forms?

Answer:
Regarding prop forms, I make a pitch blocks and a camber form for each of my props. I know people who swear by this technique and people who swear by the cylinder technique. My reasoning is that a pitch block and a camber form give you a true helical pitch prop (for whatever benefit that gives). Also, for a lot of my props with balsa blades (F1L, EZB, F1M, Open Penny Plane) I glue the prop spar to the blade before forming, then I cut a groove in the camber form for the prop spar and form the blade/spar combination. I also use a tissue-tube socket at the prop shaft. This allows me to set whatever pitch I want and to replace only one blade/spar if I break one. If you want, I'll bring a pitch block and camber form to the MMM dinner tomorrow night.

The A-6 that I use is a slightly modified "Wart" by Gary Hodson (the guru of A-6's). The plan appears in INAV #108. I don't use his tiplets and use an underslung rudder.

The F1L that I use is the one by Richards in INAV #96. I built it back when I first got started in indoor and have been flying it ever since. (Plan Follows)

Bill



FIL

1998 EZB

by

Derek Richards

Crown John Baker 1998

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COMING EVENTS

November
4-5—**SAM**
5 —**MMM/SAM 1 Combined Monthly**
19 — **Fall Indoor Contest in the Springs Auditorium**
24 —**Thanksgiving** (no monthly dinner)

December 10, 2005 MMM Annual Business Meeting – Mark Your Calendars !

Bennett's BBQ 303.925.0200
10025 Park Meadows Drive
Lone Tree, CO

Exit westbound C470 at Yosemite, south to first light, then east (left) on Park Meadows Drive.
On I-25? Exit Lincoln Ave., Go west then make the first right, northbound on Park Meadows Drive.
Our room opens at 12:00 PM for lunch and bar service
Meeting starts at 1:00 PM sharp! Bring Checkbooks too!