



# THE MAX-OUT

Newsletter of the Magnificent Mountain Men

AMA CHARTERED CLUB #177



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Or, join the web group at:  
<http://groups.yahoo.com/group/MMMFreeFlight/>

2013-01 (December)



## PONDERINGS DEP'T

Wrapping up the 2012 year. It came to a close with some open items, but nothing serious.

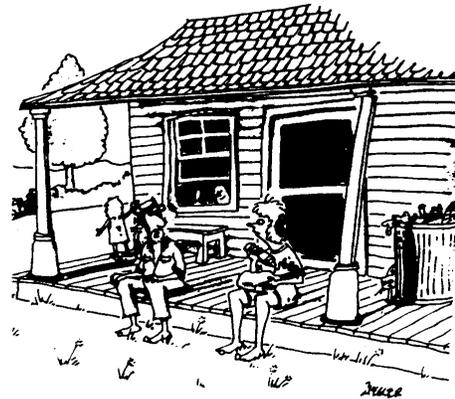
Jerry Murphy is the prez, but for only one year so think about 2014! He is a pretty busy guy and it's time for new blood in the pipes.

The Southwest Regionals are "right now" and the plan is to make them.

A lot of excitement is generated with Ray Boyd's "Santa-Cruz" Classic design being published. His model was a design from way back from the late 50's early 60's. Ray flew the design and took 3<sup>rd</sup> at the 2012 SWR's flying the current design of it. Great job Ray!

Thermals!, or heat from the lights, or whatever...

Rick



"Ma ...

I forgot to tell ya, I'll be leaving tomorrow for Arizona to get out of the cold. I'll call...OK?

*"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: \$40
- 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**

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Jerry Murphy 719-685-3766

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**Club Records Monitor:**

Dave Wineland 303-499-8566

**Flying Site Oversight:**

Pete McQuade 719-522-1239

**Newsletter & Other Stuff:**

Rick Pangell 303-798-2188

**Flying Field Weather Line:**

303-766-0020

**NEAR TERM EVENTS:**

<b>MMM MTG!</b>	<b>Every Third Tuesday at 7:00 PM, Dinner at the Castle Cafe in Castle Rock.</b>
<b>Wings Over the Rockies Indoor</b> 7711 E. Academy Blvd. in the former Lowry AFB Denver	Various Sundays of every month from 1-5pm. Admission Required. See: "www.indoorcolo.org" for complete info

**HEADS UP: !!!!**

*Going to the field Monday-Friday! Don't forget to call the Corps of Engineers trailer on Quincy Rd, The number is (303) 690-3816*

**Motorcycle Use on the Field Policy:**

*Follow the roads wherever possible and not to follow the planes cross-country. Take the shortest path possible to the plane in order to retrieve it. Avoid riding through noxious weeds.*

**MMM Now accepts "PAYPAL" for Dues, Contest Entry Fees, Etc !!**

- Simply Log in to paypal.com (or create your own 'PAYPAL' account if you want)
- Click on "Send Money" in the upper menu bar
- In the "To" block, type in [mmmffclub@gmail.com](mailto:mmmffclub@gmail.com), the amount, and click the button "Services"
- In the next form where you confirm payment, in the Lower "Subject" and "Message" boxes state what the money is for... annual dues, entry fees and such.

## PRESIDENT'S PONDERINGS

*Jerry Murphy*



I want to thank the club for having confidence in my ability to lead this outstanding group of free fliers again.

When I accepted your nomination for this office I told the club members present at the annual meeting that would be able to serve a one year term. In 2014 my responsibilities as chairman of the Free Flight Contest Board will be such that I will not be able to perform both jobs at the level expected by both the MMM club and the free flight community. This means that we have the 2013 season to find a person who is willing to take on this leadership position.

As club president I believe it is my responsibility to establish 2013 goals for the club.

The MMM club is one if not the top free flight club in the nation, so my number one goal is to continue to lead the club so that we enhance this position even farther. To do so the following are my goals for the club:

1. We can't be a top notch club with out a top notch flying field. We are blessed to have the best field anywhere. To ensure that we continue to have this outstanding field we must do everything we can to enhance our relationship with the State Land Board and Arapaho Hunt club. In support of this goal I have requested that Pete McQuade continue to serve as the liaison with the State Land Board and Chuck Etherington to continue in his role as our contact with the Arapaho Hunt Club.

2. Ensure that our three championship contests are run in a flyer friendly and professional manner.

3. Recognize club members for their contributions to the club.

4. Have fun

In keeping with goal number three I want to thank Marc Sisk for his many contributions to the club. First Marc has shown his leadership experience in his leading of the club over the past two years. Major accomplishments in his tenure as club president were the securing of a 10 year lease on the Lowry Range. I can't think of the words to express how big of a contribution this was. Under his leadership he called together a team to craft a formal presentation to the State Land Board that gave then insight into our operations. I think the next thing on the list of Marc's contributions was the establishing of a World Cup event as a major enhancement of the club's annual 14 round FAI meet.

Marc is married to a world class cook. Carol has welcomed us into her home for meetings and an unforgettable Hall of Fame dinner.

When you see Marc on the field, please take a few minutes to tell him thanks for his many contributions.

Be sure to check out the January or February issue of Flying Models as Ray Boyd's Santa Cruz MK III will be featured as a construction article. Ray has taken a slightly different path in this article in that it is not the usual glue part a to part b. Ray talks about how he returned to free flight after being away for many years. This article could serve as a powerful recruiting tool for free flight. Thanks Ray.

In keeping with goal number 4, several of us are departing for Eloy this week for three days of flying under the Arizona sun. Wish us luck, safe travels, and many maxes.

Thermals,  
Murph

## 2013 Scramble Rules

At the 2012 annual meeting the topic of the MMM Scramble came up when it was suggested that the E-36 event had an advantage because the current Scramble rules permit flying the fly-off flights at the same motor run as the first three flights.

As a reminder, the Scramble rules call for all events to be flown to a three-flight format with the max time being either 120 or 180 seconds. If a competitor posts three maxs then they continue to fly with the same motor run and max as the first three rounds.

This simplified set of rules results in all model classes being approximately equal in that the various handicaps in the event rules make obtaining a max about as tough no matter what event is being flown.

A vote was called for the Scramble to be flown to the full rules of each event. The discussion following this vote uncovered several complex issues with this flying to the rules proposal, so a second vote of the club instructed the club leadership to research the issues and come up with a proposal.

This topic has been the source of many conversations and email traffic trying to flush out the details of the proposal to fly to the rules. The problems come down to first the differences between FAI events that are flown to more than three flights and the various fly-off rules that are designed to prevent marathon events.

After all of this I made the decision as club president to keep the current Scramble rules in effect as they have proven to be successful in getting enhanced participation in our monthly meets. The basic concept of a max being a max is simple and has shown to work. The E-36 topic remain open, so I am asking all E-36 competitors to voluntarily reduce their fly-off motor runs to 10 seconds for the May and June Scrambles. We will then have some real live on the field data to drive a decision on the E-36 fly-off issue.

Please take a minute to thank the club leadership for all the time and energy they put into this issue. I believe the result is an even better Scramble.

## **From the Bench....Last Thoughts...**

### **Marc Sisk**

As I depart the office of President, I just want to say thanks to all of the MMM Team, especially the leaders who help guide this Club. Together, we have accomplished quite a bit over the past two years. For example, in 2011 for the first time, this Club hosted WESTFAC, the large regional event for scale flyers. This was in addition to hosting our two other large events. Early this year, we were confronted with the possibility of losing our flying field. We came together, activated a Tiger Team, did some brainstorming, and together with SAM-1 developed and presented a briefing to the Colorado State Land Board, resulting in a new 10-year lease. Our relationship with the Land Board is as strong as ever. We held our first FAI World Cup event as part of our Annual 14 Rounder FAI Contest. This resulted in the largest 14 Rounder ever. We have energized our outreach activities with more displays, building and flying activities. We are also slowly working our way into the Air Force Academy Field House so we can transition from an expensive venue for our indoor flying events. All of these accomplishments are only possible with the effort of every MMM Club Member. You all have a niche that you excel at and everyone's contributions made this a very successful two years. This club is made up of not only great modelers and flyers but great people. As an example just this year, Jerry Murphy was inducted into the NFFS Hall of Fame, Dave Wineland was co-awarded the Nobel Prize in Physics and Don DeLoach was the Grand Champion at the FAC NATS. These gentlemen are examples of the outstanding membership that MMM enjoys.

It has been a pleasure to be your President. It has expanded my comfort zone and made me a better person. Your camaraderie, caring and concern for others is second to none. I challenge all of you to continue to make this Club great, support your leaders and when asked to help, step forward and do your best. Take care and see you on the field!

Marc

## **Magnificent Mountain Men Annual Meeting** **Dec 8, 2012**

20 people were in attendance

It's been a great year. First and foremost, thanks to Marc and Carol Sisk for hosting the meeting and providing lunch and beverages.

### **MMM 2012 Year in Review – Marc Sisk**

Detailed review of the year's activities. Since not all members had been involved in all the club activities, this review brings everyone up to date.

### **MMM Finances – Chuck Etherington**

Chuck gave a financial report referencing the handout entitled "statement of finances."

### **Membership Dues – Marc Sisk**

The club dues will remain \$40/yr (crossover from SAM1 \$20, MaxOut subscription \$15).

### **Lowry Field Lease/Other Cost Sharing (MMM/SAM1) – Marc Sisk/Duane Hjerleid**

Marc and Duane agreed upon continuing the field expense concept we used in 2012. Field lease and field maintenance costs will be borne by each club as a function of membership numbers. 2012 saw a membership ratio of 11/39.

### **Lowry Field Status – Pete McQuade**

Pete brought the club up to date on our presentation to the State Land Board and our relationship with Mindy Gottsegen (Stewardship Trust/Conservation Services Manager), our new 10-yr lease, bird avoidance training and the riparian corridors, and Conoco/Phillips oil & gas drilling lease.

### **Edwards Field Status – Marc Sisk**

A new lease was signed with Harley Edwards. The lease and land use agreements remain the same as 2012.

### **US Air Force Academy (USAFA) Indoor Flying Status – Pete McQuade**

Billy Crisler, who is in charge of the USAFA's outreach program for Colorado, arranged for us to have access to the USAFA field house through helping cadets with the practical application of their Fundamentals of Aeronautics course. They received bonus points for flight distance of their self-designed balsa gliders.

### **Bylaws Update – Chuck Etherington**

The club governing bylaws were amended to include the establishment of an MMM Hall of Fame which complements the current Lifetime Membership recognition. Minor changes were also made to better reflect the current Leadership Council function. The revision was passed.

### **MMM Outreach – Marc Sisk, Others**

- Jerry Murphy discussed the outreach opportunity with the Manitou Springs High School.
- Wings Over The Rockies (WOTR) Modeling Expo will be held Feb 23, 2013. The MMM Club will be participating with a display table and models. A list of models needed and a sign up will be sent out as the event draws nearer.
- Pueblo Weisbrod Aircraft Museum will feature an Armed Forces Day event on May 18, 2013. The MMM Club will be participating with a display table and models.
- Randy Reynolds led a discussion on membership drive issues and ideas.

### **Other Topic Discussion**

Chuck Etherington discussed presenting the Arapahoe Hunt Caretaker, Irvine Manuelito, with an award for returning many lost models and for being a good friend of the MMM over the past 13 yrs. Randy Reynolds talked about the E-36 clinic he hosted in his shop and the possibility of having other scheduled clinic/show & tell events.

Jerry Murphy showed the scramble survey results.

A scramble rule change to handicap E-36 was proposed. That led to a larger discussion about using the existing AMA, FAI and SAM individual event rules for the scramble. The club approved adopting those rules but it was tabled until scoring/tracking concerns could be addressed.

### **2013 Contest Schedule – Marc Sisk**

Contest/event schedule for 2012 was worked out and is published elsewhere in this newsletter and on the website.

### **MMM Annual Awards – Marc Sisk**

Marc presented the annual awards. The winners can be found elsewhere in this newsletter and on the Yahoo discussion forum.

### **Election of 2012 officers – Marc Sisk**

- President – Jerry Murphy
- Vice-President – Mark Covington
- Sec/Treas – Chuck Etherington

Lastly, thanks to Rick Pangell for bringing the Jim Whelan estate treasures to the meeting, to Marc for setting up the silent auction, and to those who donated.

# MMM INDOOR RESULTS

Manitou Springs High School,  
Manitou Springs Colorado

November 18, 2012

## AMA Standard Catapult Glider

Rob Romash	25.0+24.9	49.9
Rick Pangell	17.5+18.5	36.0
Josh Knebel	16.5+14.4	32.2
Jace Pivonka	13.9+12.9	26.8
Gage ?	12.0+14.6	26.6
Kiley DeLoach	14.8+02.9	17.2

## AMA Unlimited Catapult Glider

Rob Romash	26.6+27.0	53.6
Don DeLoach	24.7+22.9	47.6
Rick Pangell	15.5+17.2	33.4
Jace Pivonka	13.9+13.7	27.6

## AMA Hand Launched Glider

Todd Reynolds	27.0+27.6	54.6
Don DeLoach	25.0+25.5	50.5
Rob Romash	24.6+24.5	49.1
Mark Covington	21.7+20.5	42.2
Randy Reynolds	22.8+17.7	40.5

## FAC WWII No-Cal Combat - 2 rounds

Bill Leppard Spitfire WINNER  
Rick Pangell P-40  
Don DeLoach Spitfire XII

## AMA Ministick

Rob Romash 4:38

## P-18/P-24

Rick Pangell 1:48  
Chuck Etherington 1:24

## FAC No-Cal Scale

Don DeLoach Spit XII 4:18  
Rick Pangell P-40 3:43  
Bill Leppard Spitfire 2:17

## FAC Peanut Scale

Rick Pangell :39

## Junior Rubber

Jace Pivonka :28  
Kiley DeLoach :23

## AMA Limited Pennyplane

Don DeLoach 7:15  
Jace Pivonka 3:22

## AMA Easy B

Rob Romash 6:31

## A-6

Jace Pivonka 1:20  
Ramen Kelsey 0:38  
Mr. Kelsey 0:22

## STUMP CLUB DEP'T

*This is the place where club members can share their most treasured learning experiences*

**From:** "Chris Murphy" <[treebeard@snap.net.nz](mailto:treebeard@snap.net.nz)>

### Polecat wins NZ Nats

Like you Don, I too had a good Nats-runner up FF Champ and runner up Champion Modeller-but I thought you'd be most pleased to hear about your Polecat Mk5 cleaning up in P-30 at this year's 65th NZ Nationals-with the only full house. Its taken me since 1982-30 years-to win P-30 at the Nats.

Unfortunately lost the model on the final flight-at 8 mins+ through binos, still climbing. There was a DT fuse ban in place, and that useless so and so Dave Burley still hasn't sent my PST timers three months after ordering and paying for them so I had to fly it locked down. My wife placed third with my 'Marie' (built in Israel in '99 during my tour of duty with the UN) so it wasn't a bad day for US P-30 designs!

I don't know if you recall-but back in March 2006 (I still have the clearly postmarked box!) I got two sets of laser cut ribs for the Polecat Mk5 plus a plan-well I *finally* got around to building it Feb 2012 (after last year's Nats, where I lost yet another P-30.....on reflection I've lost more P-30s over the years than any other FF class!)-and only finished it not long before Xmas. It had one trimming session-where it proved to be on trim exactly as built, the pop wing DT worked like a treat, and back it went in the box ready for the Nats.

So yet another scalp you can add to its contest record-'NZ Nationals winner 2013.

***GOT THERMALS?  
THE MMM CLUB***



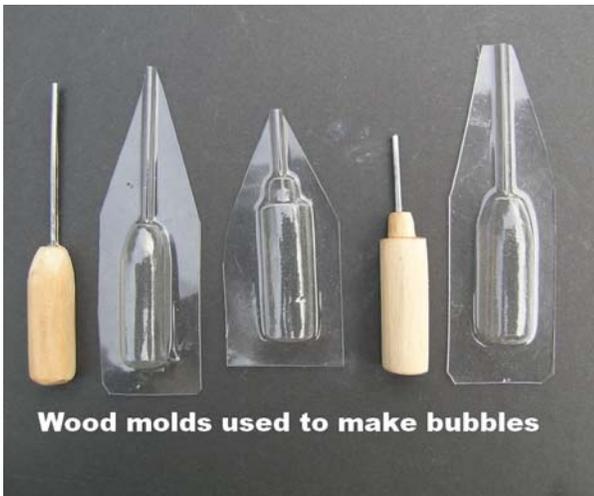
## AN ELUSIVE MOUSETRAP

Hank Nystrom was reading on our yahoo group about my dissertation on finding the Talon, radio trackers and some of the problems with them. There are many incorporations of where and how to mount them, and for free flight, almost a necessity nowadays. He sent me a photo of some of his ideas and I asked him to elaborate a bit.

Being the nice guy Hank is, he sent me enough to put together a little article. The simple explanation is he makes little plastic half bubbles" on a vacuum form.

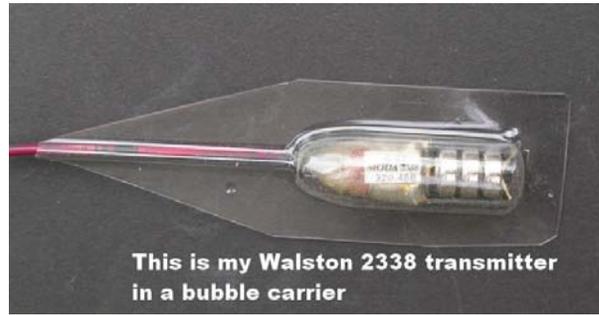
"These are what my bubbles look like. The bubble gets cut out of the sheet and makes a rectangle that gets trapped under some "Ls" on the fuselage top. The antenna comes out where the end gets trimmed off.

Different sizes for different model transmitters.



The molds are made from standard wood dowels that are cut down to the size needed for the particular transmitter. I use the 2338 model from Walston so the photos show that. The place for the antenna exit is made with a standard piece of music wire.

The bubble is held in place with an "L" shape where the bubble edges simple slide in. I use a plastic tube for the rest of the antenna.



I am putting a transmitter on my new electric Maverick (407 square inches) for AMA A/B and transmitter installed using the bubble.



This photo shows the slide in holder I made for the transmitter bubble. The flanges left after I trim the bubble from the forming sheet are trapped under the 1/32 ply rails. If it needs to be tighter, I just add a slip of paper under the transmitter. The bubble weighs 0.9 g and the 1/32 ply holder is 1.6 g. The antenna is held in place with a few pieces of small straw tubing along the top of the fuselage.

My forming table is "professional grade". The heater is a long serpentine of coiled nichrome wire. I have a 6 CFM vacuum pump that can pull down to a near perfect vacuum in a fraction of a second. This is NOT a Mattel toy with a vacuum cleaner.

The plastic I use is 0.015 thick PETG film. I can handle lots of different types of film and thicknesses, but this works well for my needs. The PETG softens at a moderately high temperature and cuts cleanly with a hobby blade. I have tables as large as 12 by 18 inches, but seldom need anything that large. The photo shows a 12x12 inch table, which is my default standard.



On the left is the film carrier with the heating coils and on the right is the vacuum table with all the holes to pull the high vacuum. The heated film is quickly lowered over the master forms and then the pump is started to pull it down instantly.

This photo shows the control panel for the operation.



Two meters show input power and actual vacuum. The side view shows two master molds for the Walston. You can see the flat side on the table.

Hank Nystrom

## CLEANING LASER-CUT PARTS

Via "Wing Tips"...Barry Knickerbocker ed.  
Via the Thermalier George White, Editor from the SAM-17 newsletter

When building a kit with laser-cut parts, the usual procedure is to sand clean the burnt edges of the parts because charcoal to charcoal (carbon is what discolors the pads) joints are weak. A much quicker method involves wiping the part edges clean with hydrogen peroxide solution straight out of the bottle with a cotton swab or a sponge. The stuff is not dangerous - be sure you are using the 3% peroxide - and is readily available over the counter at most drug stores.

Best results appear to be achieved with a brand new bottle of peroxide solution, one that has not been opened before. Peroxide solution is very unstable and rapidly breaks down into water and oxygen once the container is opened. After treatment, if you're in a hurry for the parts to dry, place the pads on a paper towel and pop them into a microwave oven at 10% power for a couple of minutes. Repeat procedure if needed, but don't over cook them.

## 2013 MMM CONTEST SCHEDULE

**(NOTE: SOME OF THE INDOOR DATES NEED TO BE CONFIRMED.  
CHECK WITH "THEMAXOUT@AOL.COM IF YOU HAVE A QUESTION  
OR KEEP ABREAST WITH THE MMM YAHOO GROUP.**

MMM 2013 Contest Schedule
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CONTEST	DATE	NOTES	CD
MMM Indoor	27 Jan (T)	Manitou Springs HS	Bill Leppard
MMM Indoor	10 Feb (T)	Manitou Springs HS	Jerry Murphy
MMM Indoor PPCC	10-Mar	COS City Auditorium	Don DeLoach
Wings Over the Rockies Museum	23-Feb	MMM Display	Coordinator: Chuck Etherington
Round Valley Dome	6-7 Apr	Eagar, AZ Indoor Contest	
Winter Coupe Contest	28-Apr	In place of Apr Scramble	Rick Pangell
Weisbrod Museum	18-May	MMM Display	Coordinator: Marc Sisk
May Scramble	19-May	Kids 9-12 Scramble 12-5	Roland Soloman
June Scramble	9-Jun		Darold Jones
NATS Outdoor	8-12 Jul	Muncie	
FAI Annual	12-14 Jul	World Cup	Jerry Murphy and Marc Sisk
July Scramble	28-Jul	Late Contest: 0900 - Sunset.	Pete McQuade
SAM-1 Memorial	17-Aug		Duane Hjerleid
NATS Indoor	5-9 Aug	TBD	
Aug Scramble	18-Aug		Todd Reynolds
RMFFC/Dynasty Cup/Rocky Mtn FAC Scramble	31 Aug-2 Sep		Don DeLoach and Chuck Etherington
Cloud Climbers Annual	Sep TBD		
SAM Champs	7-11 Oct	Muncie	
Sep Scramble	15-Sep		Mel Gray
Marion Cup	5-6 Oct	Marion, KS	
Oct Scramble	13-Oct		TBD
Nov Scramble	3-Nov	Daylight Savings Time Ends. 8TH ANNUAL FRITO PIE CONTEST	Duane Hjerleid
MMM Indoor	17-Nov	Manitou Springs HS	TBD
Annual Meeting	7-Dec		



*FREE FLIGHT WITH AN ALTITUDE!  
UPCOMING EVENTS*

<i>DATE</i>	<i>EVENT</i>	<i>FEATURE EVENT</i>
27 Jan (T)	Manitou Springs HS	Bill Leppard
10 Feb (T)	Manitou Springs HS	Jerry Murphy
10-Mar	COS City Auditorium	Don DeLoach

**FIRST CLASS**



IF THIS BOX IS CHECKED, THIS IS YOUR  
LAST ISSUE UNTIL YOU PAY YOUR DUES!



**The Magnificent  
Mountain Men**

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