



THE MAX-OUT

Newsletter of the Magnificent Mountain Men

AMA CHARTERED CLUB #177



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2020-01 (Jan-Feb)



PONDERINGS DEP'T

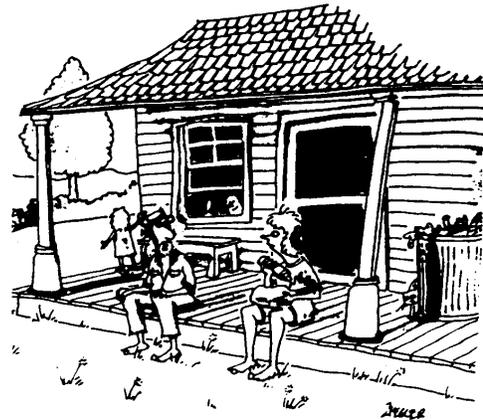
Another Year and still ticking!

John McGrath was re-elected as 2020 President as well as Don DeLoach in the VP position. I was re-elected as your Central District NFFS VP so thank you for that.

Dues stayed the same thanks to great money management of Chuck Etherington and we thank him for that.

This year expect some heavy duty clean up of our roster so don't be surprised if I send you a kind note to keep your dues current.

Late note... Congratulations to our own Jack Murphy for winning the Americas Cup in Electric FF. Way to go Jack!



"Ma ... Another New Year !!

"Ochroma lagopus in perpetuum"

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

Rick

"The MAX-OUT" newsletter is printed "periodically" 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
- Newsletter Subscription Only: \$15
- Send \$ to:
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Current Holder of the "Pearl" John McGrath

Operating the club and providing you with great flying opportunities whether indoor and outdoor, it does cost money and we solicit contributions to help offset that cost. You can donate directly to Chuck Etherington or use the MMM Paypal opportunity noted below.

Motorcycle Use on the Field Policy:

*Follow the roads wherever possible
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 mmmfclub@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



Wow--where to start? First of all, welcome to 2020. For once in my life it's almost two weeks into the new year and I've yet to make a mistake writing the date. 2020 just kind of sticks with you. Here's to a memorable year!

Annual Meeting

We had our Annual Meeting on the 7th of December. Elsewhere in this issue Chuck Etherington will give you the blow-by-blow, but just a couple of my own observations may be worth making. First, our host was Tom Neff who operates an interesting business out of the Wings Over the Rockies facility. He teaches building and flying simple foamie R/C electric planes to students all around the state, typically home schooled students. Among other things, Tom is a former SR-71 crew chief. Bet he has a few interesting stories to tell. Maybe even a few UNCLAS ones. Tom runs a small R/C club in a field farther to the east than ours, and he was kind enough to invite us out. From his description it definitely sounds flyable for free flight, and it would be great to have an alternative field in our back pocket. We'll look into it.

Also elsewhere in this issue is the club schedule for the year. (Here's how naïve your president is: I thought I had it all figured out before the meeting. Wrong.) After lots of great discussion we had it nailed down. Among other things, the Late Day contest is moved from June to September for reasons of better probable weather. Ray Boyd's already working on booking Rosin the Bow. Can't wait! Sue Etherington--ice cream again? And--after kicking around the challenges

of holding meetings during the month of December, the Annual Meeting for Flying Year 2021 is going to be in January 2021. We'll give it a shot, see how it goes

Annual Awards

This is always humbling--to see the amazing quality of performance the club's best flyers bring to the field month after month, contest after contest. Our HLG Champion this year was Jace Pivonka, whose stunning RMFFC performance will be talked about for years. Junior Champ was Skilly DeLoach, who's becoming a national powerhouse, winning at the Nats as well. Our Season Scramble was won by Don DeLoach, who on any given day can put up winning flights in multiple classes, followed by Ray Boyd (Old Time Rubber flyer par excellence) and Mark Covington (HLG/CLG expert) in 3rd. Our Master MMM Award is given to members who rack up 25 or more maxes during the year. That's impressive! Winners this year include Don DeLoach, Jace Pivonka, Jack Murphy, Mark Covington, and Jerry Murphy. Gentlemen--well done indeed!

Super Pearl Award

We all know about our Pearl award. It's an award long in tradition, short on rules. A recipient passes a small Pearl pin along to the next recipient at his discretion to recognize contest performance or some other contribution to excellence within the club. Well, in the case of Chuck Don DeLoach and I decided a mere pin wasn't enough in the case of Chuck Etherington. In recognition of Chuck's incomparable contributions to the club, we awarded what can only be described as a Super Pearl award--a nice white button-down shirt on which Don had sewn an emboidered official Pearl patch. In case you've not been aware of Chuck's dedication to the club, in addition to his presence at every outdoor and most indoor events, he's the club's Secretary/Treasurer, State Land Board liaison, point of contact for the club with other tenants, the guy who gets the clubhouse serviced, Contest Director for one of the club's major contests, all around motorcycle expert and one-man road crew who singlehandedly this past summer groomed the dirt road leading to the flight line. What is that--half a mile? More? In any case, Chuck, wear your XXXL Pearl shirt with pride and with our thanks.

Leadership Council

The MMM club operates with three elected officers: President, VP (Don DeLoach, also reelected for 2020), and Secretary/Treasurer (Chuck Etherington, reelected as well). We also have a very nice advisory feature in our structure called the Leadership Council. The LC statutorily includes the three elected officers, plus other members, such as past presidents, whom the president may ask to serve on the LC for the purpose of guidance and advice. For 2020 I've asked Pete McQuade, Jerry Murphy and Rick Pangell remain on the LC. Many thanks to them for remaining active in club leadership.

Gentlemen, your assistance this past year has been invaluable, and I look forward to your support this year as well.

The Indoor Scene

The MMM club has a huge number of indoor flying opportunities. Just during the Springtime, John Christensen has set up not fewer than four sessions at the Beth Eden school in Wheat Ridge, and Darold Jones has set up five sessions at Manitou HS down near the Springs. The way the schedule worked out, these Manitou sessions will be each First Sunday from January through May. Then there's the Southern Region Science Olympiad tournament on Leap Day -- Saturday February 29 down at UC Pueblo. I'll be there for sure (I'm Event Coordinator) and any club member able to help out is more than welcome. Murph's been a huge help for years as "independent nonpartisan unaffiliated support helper," and the more MMM members the merrier. UC Pueblo's a pretty good flying site, to boot. The State tournament will be in the Springs this year at Cheyenne Mountain HS. In any case-- come on out and fly some indoor! Bring friends, kids, whoever you like. Any way you slice it, it's a great way to enjoy the hobby. Short chases, too. And above all, don't forget our flagship indoor contest, the Pikes Peak Ceiling Climb, to be held at the Historic City Auditorium in the Springs, on March 8. Mark the date.

A MAD contest

At the January Manitou session we had one of our indoor scrambles. The winner was Chuck flying a P-18 to 59% of the City Aud record (a flight of 1:41). Great job, Chuck! As kind of a contest-within-the-contest, I organized a Pennyplane contest around a target time of 4:00. The idea was

that we would each fly five flights, and the winner would be the one with the lowest average deviation from 4:00. In statistics, we have the usual measures of variability: standard deviation and interquartile range, but there's one measure out there that doesn't get much air time. That's Mean Absolute Deviation, or MAD. You simply add up the absolute values of the deviations from the average, and divide by sample size. (And if that sentence doesn't get your blood racing, there's no hope!) In our contest we just declared 4:00 to be our center and took the Mean of the absolute values of our deviations from that time. So how'd it go? If all five flights were counted, I won with an average deviation of 17.8 seconds (Romash 27.8, Murph 35.6). However, it turns out that each of us had one bad flight, which would wreck any average. When we pull those flights out of the mix and just count the four best flights, it was Romash for the win at 13.0 seconds, with Murph and me tied for second at 13.5 seconds. How's that for a nice tight contest? It was fun. MAD fun.

Planes in the Air

Gotta wrap this up, but not before issuing three challenges to every club member for 2020: 1) Fly one new class. 2) Fly 20% more contest flights, and 3) Fly both indoor and outdoor. See you at the field and in the gym!

Happy New Year

John

Magnificent Mountain Men Annual Meeting

Dec 7, 2019

The meeting was held at Wings Over the Rockies Museum at Lowry, Denver from 9:00 to 12:00 and presided over by club President, John McGrath. Ten MMM members were in attendance.

John began by commemorating our meeting date minus 78 years. He presented a copy of a communication he discovered in his father's Navy archives from the Commander in Chief, US Pacific Fleet (CINCPAC) to Submarine Squadron 14 stating: "AIR RAID ON PEARL HARBOR. THIS IS NOT A DRILL." Very sobering.

Celebration of 2019 (Year in Review)

- Pikes Peak Ceiling Climb (PPCC)
 - Due to the high cost of renting the Colorado Springs City Auditorium, it is difficult for this contest to break even. However, the small (\$40) loss is acceptable and is more than compensated for by the profitability of the 14 Round FAI Annual and Rocky Mountain Free Flight Championships (RMFFC). It was decided to maintain status quo and keep entry fees the same.
- Coupe contest
 - Went well in 2019 and will be repeated again this winter (see schedule)
- US Indoor Nationals
 - There was an outstanding MMM club presence at the Indoor Nats
 - A number of MMM'rs were on the Nats Planning Committee
- and had several individual responsibilities. Don DeLoach was the Contest Manager and Rob Romash served as the "Nats News" reporter. Thanks to all
 - MMM (AMA district IX) bested the other districts winning the Tony Italiano Cup and \$1500 prize money.
- 14 Round FAI Annual
 - Pending an expense that is currently being tracked down, the 14R was profitable by \$466.92
 - Because the Tangent Classic FAI Meet in Oregon attracts more F1A, B, C flyers than our 14R, we need to get a better understanding of why many of the California flyers prefer Tangent over Denver
 - We will be hosting the F1E World Cup and Team Selection Finals again in 2020
- Rocky Mountain Free Flight Championships (RMFFC)
 - The contest showed a good profit (\$437) without consideration of the raffle which was very successful as usual
 - The weather was spectacular as it usually is Labor Day weekend
 - Jace Pivonka's club record setting performance in Hand Launched Glider (HLG) was not only a tribute to his skills, it also demonstrated just how good the thermal conditions were for the event
- US Outdoor Nationals

- Five MMM'rs attended the Outdoor Nats
- Rick Pangell was the "Nats News" reporter. Thanks Rick
- Skilly DeLoach, in her first Nats, won P30 and set a new National Junior Record. Congratulations Skilly!
- Scrambles
 - In addition to the normal Scramble template, Pete McQuade ran the Kid's Contest in May, we had the late day contest at the end of June and the Frito Pie Annual early Nov
- Fall Indoor Classic
 - Was held at the Colorado Springs City Auditorium in Nov and will continue in 2020
- Ongoing Indoor Flying
 - Indoor Scrambles will be held the first Sunday each month at Manitou Springs High School (see schedule). Thanks to Darold Jones for making this possible
 - Additional indoor flying opportunities are being made available at Beth Eden Baptist School, Arvada. Thanks to John Christensen for making these sessions possible

Calendar for 2020

- Contest schedule developed and approved unanimously and CDs assigned. See calendar published elsewhere in this newsletter

Financial Report

- Chuck Etherington presented a financial report referencing the document entitled "Statement of Finances"

- For 2010 the club dues will remain \$40/yr. and MaxOut subscription \$15

State of the Field

- Chuck Etherington presented a report from the Lowry lessee meeting held Dec 3, 2019 (see elsewhere in this newsletter). There were no issues raised that would affect us significantly
- This past August some field improvements were made
 - The access road between the paved Titan road and our flying hill had the center hump scraped and the low places filled in with road base
 - The sink hole about 100 yards north of our launch area was filled in with dirt

National Free Flight Society (NFFS)

Update

- Rick Pangell was the NFFS Symposium Editor again this year (2019). Thanks Rick
- As NFFS Central District VP, Rick presented some upcoming NFFS changes and improved membership stats
- Rick also noted his bid for reelection and handed out ballots

Annual Awards

- See 'President's Ponderings' column elsewhere in this newsletter

Discussion Topics

- Rescheduled Scrambles. There was some concern that rescheduling Scrambles, especially toward the end of the flying season, could possibly affect the Scramble Championship outcome. A vote was taken and the outcome was to maintain the status quo.

- Don DeLoach raised the point that the club no longer has a planned social event. The events of the past, shared with significant others, supported club cohesion and we seem poorer in their absence. Consequently, it was determined that a Summer Social would be held in June (details to be worked out later)
- Combined July Scramble and 14 Rounder. After some discussion about the difficulty of fitting a Scramble into the month of July, an idea was floated, voted on and passed that the July Scramble would be combined with the 14 Rounder. Flying would proceed normally but MMM club member's scores would later be extracted for Scramble scoring purposes. CDs Pete McQuade and John McGrath, with the help of Jace Pivonka, will work out the details.
- Late day contest moved to Sep 20 when the afternoon/evening weather is

historically more stable. Rosin the Bow will be invited to provide entertainment

- The Fall Indoor Classic will be moved to December and the annual meeting will be held in January.
- Chuck Etherington was presented with a white long-sleeve shirt (as he is wont to wear at the model field) with a Pearl patch expertly hand-sewn (by Don DeLoach) above the front pocket. In John McGrath's words it was presented "as a thank you for sustained superb service to the club in field support, contest management, club bookkeeping and administration and uncountable other ways"

Election of Officers

President: John McGrath
 Vice-President: Don DeLoach
 Sec/Treas: Chuck Etherington

- Chuck Etherington



SAM Speaks - January-February 2019 - Page 32

Lowry Lessee Meeting

3 Dec 2019

On December 3rd the annual State Land Board meeting pertaining to the Lowry Ranch took place. I attended as the MMM representative. These are the main takeaways:

Conoco Phillips is selling their oil & gas lease, which includes their subsidiary Bronco Pipeline, to Crestone Peak Resources. The new company will have to operate under the same agreement and regulations as Conoco Phillips so we should not see much in the way of changes. When appropriate, I will get a contact number for Crestone in case one of our models strays into a secured area.

For those unfamiliar, the Lowry property was once used as a bombing and gunnery range and the unexploded ordnance (UXO) cleanup effort is ongoing. The planned briefing, however, was scratched due to the illness of Paul Armstrong, Army Corps of Engineers. But we did learn that all the UXO cleanup for at least the next year would be west of Coal Creek and south of our latitude.

Schmidt Sand & Gravel wrapped up their operation this year (2019). I am not sure if that big excavation a mile to the west of us was a Schmidt operation or something else.

The weed problem on the ranch is being addressed with 'Leafy Spurge Flea Beetles' that were introduced to feed on the fine roots and foliage of the plants. Since their introduction, they have been thriving. Also, Nick Trainor, the rancher, is shepherding a flock of sheep which feed on Leafy Spurge. So if you encounter sheep while chasing, it's not a mirage. The Canadian Thistle problem was not mentioned but I assume that will be the next weed problem to be addressed. There was no mention of chemical weed spraying which has been used on the ranch in the past. The native grasses continue to recover due to good land management and grazing practices.

The plan to add a 3,500 acre reservoir between Coal Creek and Aurora Reservoir has been abandoned. Between 2010 and 2018, Aurora Water investigated the feasibility of developing the new reservoir and has since decided to abandon the plan, thus freeing up the land for other surface uses. However, Rangeview Metropolitan District still has the right to create two new reservoirs, the closest to our flying hill being about one mile to the south. But this comes from a 99 year lease signed in 1982 so rather than any proximate need, they were most likely just trying to cover their bases far into the future.

We continue to have a very good relationship with the State Land Board as well as our fellow lessees and there don't appear to be any obstacles to signing a new lease in 2022.

Chuck Etherington

The “Pearl”

Receiving the Pearl earlier this year from Mark has been a great honor, now it is time to pass the torch. There are a number of members that are deserving of this honor, lots of selfless acts and many hours behind the scenes without asking for recognition. But at this time I feel the person at the top of the list is John McGrath.

We have all witnessed John travel to Arizona numerous times intending to compete, but ending up holding building classes for anyone that shows interest. His performance has certainly suffered because of this, but you always see a smile on his face. It was very satisfying when he won the P-18 event at this years Nats immediately after completing a building class.

Recently John has traveled to the Beth Eden gym on the north side of Denver in Friday rush hour traffic to put on one of his legendary classes for a single youngster. I wasn't there. But it is safe to assume that more time was spent with that kid than was spent flying his own stuff.

I can imagine John is not getting rich making his Sci Oly kits, so we can conclude that his sole driving force is to help out students all over the country. Thank you from all the students, parents and teachers for providing competitive kits and the support that goes along with them.

Wear the pin proudly John, you deserve it.

Tom Norell



Chuck, Ray, John and Rick at the awards “ceremony” for John...

Fall Indoor Contest at the Colorado Springs City Auditorium 24 November 2019

No offense intended for those who work so hard to coordinate our high school flying opportunities, but it sure is nice to fly in a big room! The City Auditorium is an old friend to indoor free flight, having hosted decades of flying, including the 2015 US Indoor Nationals. It's safe to say the Aud's place in Southern Colorado model aviation history is firmly established.

We put this date on the calendar knowing we might be flirting with danger, being so close to Thanksgiving, but with the exception of a few absent friends, we did pretty well, with ten registered flyers (two of whom were a Sci Oly team). Contestants came from as far as Loveland and our new member Chris Adams made the heroic drive down from Cheyenne to join the party, and despite not flying, made a nice contribution to help defray costs as well. Thanks, Chris! Tom Norell also made the scene and was an absolute godsend to our Sci Oly friends from the Home School Science group, with whom we've flown on many occasions over the years. Thank you, Tom!

Six official classes were flown. In no particular order: WWII No-Cal--just a single contestant--Rick Pangell in his desert-scheme P-40. Rick was up at 94 seconds--go Rick! Phantom Flash--no official flights. In Peanut Scale--John Christensen and Rick P. both had some really beautiful flights. Both John's Lacey and Rick's Fike really like the large room. John took it with a high time of 44.7 sec.

In Limited Pennyplane, Jack Pitcher and I put up officials, Jack with what I believe was a classic Indoor Model Supply LPP ("Novice Class Pennyplane") if not mistaken) and I with my reproduction of Peter Brocks' design, which I call Peter's Penny. My 6:07 was good enough for the win.

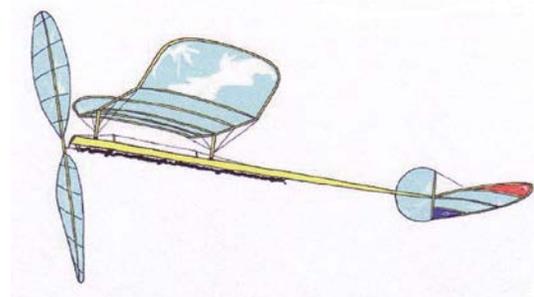
P-18 saw four fliers. Jack Pitcher--who's been a regular at John C's sessions up at Beth Eden--put up a 2:00 for his first official with a

sweet-flying Vanguard, and the rest of us tried and failed to get past Jack. One second back--David Aronstein. Two seconds back--yours truly. Couldn't have been much tighter than that! We know the Aud is good for more time than this on P-18, so we'll be on the hunt at the Ceiling Climb in March. Great job, Jack!

A very interesting class had its contest debut--Tiny Glider. This is the brainchild of David Aronstein, and scoring takes into account not only flight time, but also wingspan. Flight score is time in seconds divided by wingspan-plus-one-inch. David and John Christensen duked it out with a total of five different gliders ranging from David's 2.25" TG-5 to John's HUGE 3.0" TG-3+. David took it with his 2.375" TG-3 with flights as long as 17.9 seconds. Very interesting, guys! Now for some work on model names :)

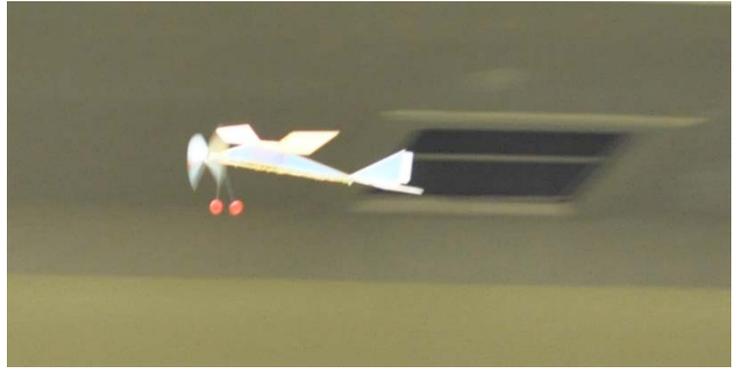
In addition to flying a Coconut, winning Tiny Glider and flying Sweeny Hayashi's (NAME CHECK) stunning ornithopter, David A. brought along a bunch of already-built Mountain Lions for passers-by to fly, and we had a few, notably a grandfather plus two boys who'd stopped by to check out the model train folks' open house down below. (If you've never had the chance, get a look at the layout those guys have down in the basement at the Aud. It's amazing.) The two young gents must have put up 10 or 15 flights before they had to leave. Thank you, David, for doing that! We sent them home with a plane, a winder and a couple of flying dates. I think we'll see them again.

John





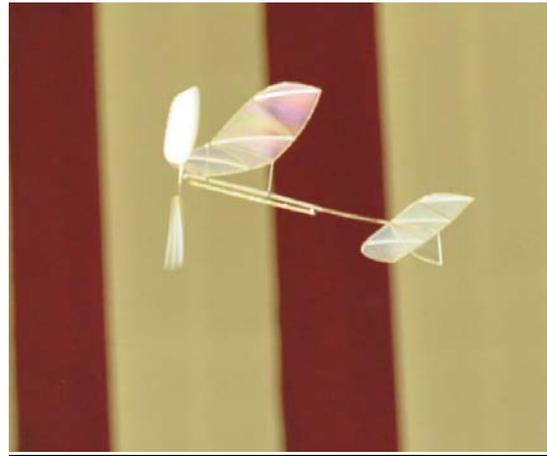
David Aronstein with Sweeny Hayashi Ornithopter



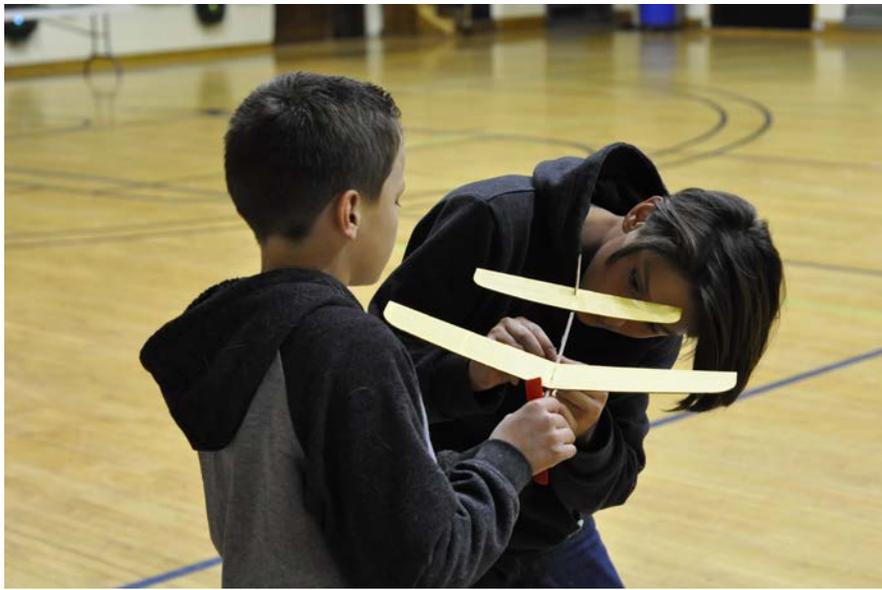
Jack's Skinny Cat



Peter's Penny



Peter's Penny



Two New Fliers--Focus!



Roll Stability of Free Flight Rubber Powered Model Aircraft Politely stolen from “El Torbellino” H Haupt - Ed

By Mike Jester

Edited for content by The Maxout

Unlike a real airplane or a radio-controlled airplane, a free flight model airplane must maintain its stability without any pilot adjustment of control surfaces during a flight. Even more challenging, a rubber powered free flight model airplane must do this throughout the climb, cruise and glide phases of the flight as the torque of the rubber motor varies from high, and then to medium, to low, and finally to zero. It must do this while encountering disturbances in the air such as wind, turbulence and thermals. A rubber powered free flight model airplane needs roll (lateral) stability so that it will automatically raise a wing tip that swings low when the model encounters turbulence. In addition, the model must maintain pitch and yaw stability.

In both full-size aircraft and model aircraft roll stability is achieved by angling the wing sections upwards on either side of the longitudinal centerline of the fuselage. This wing configuration is referred to as dihedral. When the model rotates about its centerline it begins to slip sideways causing the relative direction of the oncoming wind to change. The result of the dihedral is that the angle of attack (AOA) of the lower wing section is effectively model roll back to an attitude with both wing sections at the same height.

The more dihedral your model has, the more resistant it will be to rolling to one side or the other. However, like most advantageous aerodynamic design features, dihedral comes at a cost, namely, increased drag.

Excessive dihedral is also pretty ugly on scale models. Therefore, the rules of the Flying Aces Club place a limit of the amount of dihedral that can be present in a scale model, such as a WWII fighter. In full-size aircraft dihedral is used to make the airplane less sensitive to rolling, allowing easier control by the pilot. However, many full-size fighter aircraft and aerobatic airplanes have no dihedral in order to achieve maximum maneuverability.

Typically, free flight models have a V-shaped wing that provides the required dihedral. The optimum amount of dihedral is usually indicated on the plan and is achieved by joining half-wing sections with the wing tips raised a specified amount from the building board, i.e. 1 ½ inches. Sometimes free flight models have a polyhedral wing, the Gollywock being a good example. Other times the wing has a flat center section and upwardly angled tip sections.

Predetermined amounts of wash-out and wash-in (twist) in various sections of the wing are normally built-in during construction of a free flight model. Wash-out means that the trailing edge (TE) is higher than the leading edge (LE). Wash-in is just the opposite. Equal amounts of wash-out on the wing tips can help prevent the model from spiraling into the ground if one wing tip gets low. If the model is spiraling down or otherwise showing a tendency for one wing-tip to fly too low, check to see if there are unequal amounts of wash-out on the wing tips. Sometimes this can be corrected at the field with some brute force manual twisting. Other times it will be necessary to

steam a tissue covered wing or apply a heating iron to a plastic film covered wing in order to equalize the wash-out on the wing tips. Wash-in on an inner wing section can help hold the wing level on a model, especially during the power phase. Typically, a model that is trimmed to climb right would benefit from a little wash-in on the right inner wing section. You can glue on a wedge or Gurney flap with Duco® cement to the top or bottom of the TE of the appropriate wing section and easily remove it with acetone if it doesn't improve flight performance.

High wing models such as a Piper Cub gain additional roll stability due the pendulum effect since most of the weight is below the wing which provides the lifting force. Ditto for outdoor sport models that have the wing mounted on top of a wing pylon. Most indoor duration models such as Limited Penny Plane (LPP) mount the wing on top of relatively tall wing posts, and again the pendulum effect aids in maintaining roll stability in such models.

Many indoor models have vertical tip plates or winglets on the ends of a flat wing. This effectively provides the model with dihedral and makes the wing of a very light weight indoor model a great deal easier to build. For reasons not fully understood by me, you rarely, if ever, see vertical tip plates used on outdoor free flight sport models. I have often thought of trying them on a P-30 just to have different looking model, but have never gotten around to carrying out such an experiment.

Hummingbird Model Products

From: Bernard Guest to SEN... SCAT Electronic Newsletter

I have band burner timers and batteries, E36 timers, Lipo chargers (USB type for single cell batteries ranging from 500 Mah to 20 Mah), Balsa strippers, My new pitch gauge (also upgrade kits for older model pitch gauges) and my new blast shield for stooges (prevents those annoying line tangles), blast shield for coup winders (Blazeyvitch type - the shield slides onto the torque meter housing).

Bernard Guest
President/factoryworker/janitor
Hummingbird Model Products
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AMA is looking for austerity.

Reconciling AMA funding, costs, and all the other budgetary things it has been decided to increase the acreage being farmed at Muncie to generate some income. In total, AMA is looking at about 20 acres of new farmland, which is a very small percentage of the 1,100 acres. You'll notice crops near the museum, under the power lines near HQ, and in the far NW corner of the property. This does not appear to affect any FF activities.

In addition, the policy of engraving and maintaining perpetual trophies is under consideration. This really involves trophies like the Tulsa Glue Dobber Hand Launch Trophy.

Volunteers for the 2020 US Outdoor Free Flight Nationals (July 27-31)

From: Ed Carroll

As many of you may know, I am the Contest Director for the Nationals this year. I was also the Contest Director for the 2016 Nationals and I came to appreciate how important the AMA staff and a host of volunteers are to the success of the competition. At this time, I ask that anyone who would like to assist at the Nationals please contact me as soon as possible. I am in need of people to help run events, and assist in scorekeeping and other tasks. If you are planning on coming to the Nationals and are not flying every day, help on even one day or part of the day will be appreciated. Please contact me by the email address below or text/call me to chat about specific details.

Ed Carroll

ec31133@aol.com

818-489-5039

Frank Menanno is on the comeback trail!

Attached is a photo of Frank teaching a Delta Dart workshop with home schooled kids. He's the big kid in the photo.



Current MMM 2020 Event Calendar

Event	Date	CD(s)
Sci Oly Southern Regionals Pueblo (UC Pueblo)	29 Feb (Leap day Saturday)	John McGrath
Indoor at Manitou HS	1 March	
Pikes Peak Ceiling Climb	8 March	Don DeLoach
Coupe Contest	22 March	John McGrath
Indoor at Manitou HS	5 April	
Scramble	26 April	Rick Pangell
Indoor at Manitou HS	3 May	
Scramble (Kid's Contest)	17 May	Pete McQuade Jeff Pakiz
Casino Cup (Wendover NV)	20-21 June	Jack Murphy
Scramble	28 June	Darold Jones
14-Rounder	10-12 July	McQuade/McGrath/Pivonka
Scramble	9 Aug	Mel Gray
RMFFC	5-7 September	DeLoach/Etherington
Scramble (Late Day Contest)	20 September	Jerry Murphy
Scramble	11 October	Mark Covington
Scramble (Frito Pie)	1 November	Jeff Pakiz
Fall Indoor Classic	13 December	Rob Romash
Annual Meeting	9 January 2021	McGrath

Paste this into your home calendar so you have anticipation to your travel and build plans!

INDOOR FLYING:

- *Flying sites are the historic Colorado Springs City Auditorium, downtown, at the corner of Weber and Kiowa Streets – 37 foot (peak) smooth ceiling*
- *Beth Eden Events are at: Beth Eden Baptist Church at 2600 Wadsworth Blvd.*
- *Manitou HS Events are at: 401 El Monte Pl, Manitou Springs, CO 80*

The Magnificent Mountain Men Proudly Bring You 14th Pikes Peak Ceiling Climb

AMA Sanctioned Class AA Indoor Free Flight Model Airplane Contest

Sunday, March 8, 2020

**Flying site is the historic Colorado Springs City Auditorium, downtown,
corner of Weber and Kiowa Streets – 37 foot (peak) smooth ceiling**

Flying Hours: 9:00 a.m. to 7:00 p.m.

**Practice & fun flying during the contest is permitted but official flights
always have right-of-way. Please exercise courtesy and common sense.**

Schedule (subject to adjustment per demand for airspace)

9:00 a.m. – 11:30 a.m.	FAC Peanut, Jet Cat Scale static judging. BRING DOCUMENTATION.
9:00 a.m. – 11:30 a.m.	HLG/CATAPULT GLIDER FLYING ONLY AMA HLG, AMA Unlimited Catapult Glider, AMA Standard Catapult Glider, FAC Jet Catapult Scale. <u>Absolutely no HLG/CLG/Jet Cat flying after 11:30 a.m.</u>
11:30 – 5:00 p.m.	HEAVYWEIGHTS (models heavier than 2 grams, and LIGHTWEIGHTS at your own risk) P-24 Mass Launch (12pm), FAC Peanut Scale, FAC No-Cal Scale, AMA 7g Bostonian, Limited Pennyplane, WWII No-Cal Mass Launch ^① (1pm), FAC Dime Scale, FAC Phantom Flash 5g, FAC Phantom Flash 5g Mass Launch (2pm), P-18, P-18 Mass Launch (3pm)#, NFFS Towline Glider ^② , Greve/Thompson No-Cal Mass Launch ^③ (4pm).
5:00 – 7:00 p.m.	LIGHTWEIGHTS ONLY (models not more than 2 grams) F1L, Easy B, Mini Stick, A-6, F1D, Mash-Up ^④
6:45 p.m.	Last Launch
7:00 p.m.	EXIT THE BUILDING
7:30 p.m.	Dinner at a downtown restaurant.

① All FAC rules apply plus 7" max prop diameter and minimum empty weight of 6.2 grams. Models must have correct color and markings and must have armament. Combat aircraft only.

② Now an official NFFS event. Rules at <http://www.freeflight.org>

③ All FAC rules apply except no Hosler Furies. Plus 7" max prop diameter and minimum empty weight of 6.2 grams. Models must have correct color and markings.

④ Mash-Up is one design model by Rob Romash. E-mail CD for a plan. Minimum weight: 2g.

The Fine Print:

- Contest Director: Don DeLoach, ddeloach@comcast.net 719-964-7117
- Link to AMA rules: <https://www.modelaircraft.org/sites/default/files/indoor%20Free%20Flight%202019-2020.pdf>
- Link to FAC rules: <http://www.flyingacesclub.com/>
- Entry fee: Open: \$20 first event. \$10 each additional. Three or more events: \$40. Junior/Senior: \$10 for unlimited events. Donations very welcome! All proceeds go to site rental. Site rental is \$650, So we need 17 adult flyers at \$40/each to break even.
- "Colorado Cup" Grand Champ Trophy to highest scorer in up to 5 pre-selected events (at least 1 of the 5 must be a glider event, otherwise you may choose only 4 rubber events). 5-4-3-2-1 points for 1st, 2nd, 3rd, 4th, 5th place; 1 point deducted for each person fewer than 5 in an event. Minimum 3, 2 points for 1st, 2nd in an event, even if only one/two entered.
- Tables and chairs provided on site.
- Nearby Hotels: Clarion Inn (1/4 mile) 719-471-8680; Econolodge (1/2 mile) 719-636-3385.
- Sorry, no RC flying.

Second Annual

CASINO CUP

West Wendover NV

JUNE 20-22, 2020

FAI-AMA-NFFS

AMERICAS CUP NATIONAL CUP



• Saturday

- FAI a-b-c-q
- AMA Power, Rubber, Tow Glider -fly either day, must finish same day
- NFFS -fly either day, finish same day
- Glider Pen ^{hlg, clg}
- MMM Club Scramble format for singleton class entries (maxes handicapped to 3 minutes). Two Entrants+ in a class constitute a separate event. Run what 'ya brung!!
- Field is approximately 9 miles south of the Wendover Strip west from Highway 93A. Head west on dirt road just south of 9 Mile Hill.
- Area adjacent to the flight line for camping, trailers and motorhomes.
- Abundant casino hotels and motels available in nearby West Wendover NV/Wendover UT

• Sunday

- FAI g-h-j-p-s
- AMA Power, Rubber, Tow Glider -fly either day, must finish same day
- NFFS -fly either day, finish same day
- THE BIG DADDY! – F1s/E36 combined, P-30
see separate flyer

\$25 Entry includes 1 event. \$40 unlimited events \$10 additional entry for the Big Daddy. Cash only

Brought to you by the MMM Club
AMA #177 Current AMA membership required.

Contest Directors-

Jack Murphy
jack.murphy@utahhomes.com

Allan Mecham
amechamhome@gmail.com

Second Annual

CASINO CUP

West Wendover, NV

June 20-22, 2020

FAI-AMA-NFFS

presents

THE BIG DADDY!!

the Big Daddy Challenge
in memory of the Great
John Oldenkamp

Father's Day 2020

F1S/E36 Combined
P-30

\$10 to Enter + must also be entered
in the Casino Cup Contest

Winners take the pots!!

(One Electric/One Rubber)

Americas Cup

National Cup

Fly from the Pen

5 Rounds F1S + AMA
rules for E36 and P30

Contest Directors

Jack Murphy jack.murphy@utahhomes.com

Allan Mecham amechamhome@gmail.com



IF YOU HAVEN'T PAID YOUR DUES YET OR WANT TO BE A MEMBER:

JOIN THE MAGNIFICENT MOUNTAIN MEN FREE FLIGHT CLUB HERE

NAME _____ AMA NO _____

STREET ADDRESS _____

CITY/STATE _____ ZIP _____

PHONE (HM) _____ (WK) _____ EMAIL _____

DESIRED STATUS: MEMBER _____ 2020 DUES: **\$40.00** includes Newsletter
(CHECK ONE) (Under 16 yrs. old – FREE!)

HARDCOPY NEWSLETTER ONLY _____ 2020 RATE: \$15.00 PER YEAR

SEND THIS FORM AND CHECK PAYABLE TO: MMM CLUB
C/O: CHUCK ETHERINGTON
33946 GOLDFINCH DR.,
ELIZABETH, CO 80107



News Note: MMM Now accepts "PAYPAL" for Dues, Contest Entry Fees, Etc !!

- *Simply Log in to [paypal.com](https://www.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, 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.*
- *When pre-entering a contest that needs event selection or similar, you still need to send in the pre-registration form to the Contest Directors*

Note, Paypal does charge a fee for this service so if you do use paypal maybe add an extra buck to help us out



FREE FLIGHT WITH AN ALTITUDE!
UPCOMING EVENTS

<i>DATE</i>	<i>EVENT</i>	<i>FEATURE EVENT</i>
<i>Feb 14 & 21</i>	<i>Indoor at Beth Eden</i>	<i>Indoor</i>
<i>March 1</i>	<i>Indoor at Manitou HS</i>	<i>Indoor</i>
<i>March 8</i>	<i>Indoor in the 'Springs</i>	<i>Pikes Peak Ceiling climb</i>
<i>March 22</i>	<i>Winter Coupe Contest</i>	<i>FIG/Coupe</i>

FIRST CLASS



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



**The Magnificent
 Mountain Men**

6994 So. Prescott St.
 Littleton, Colorado
 80120