



THE MAX-OUT

Newsletter of the Magnificent Mountain Men

AMA CHARTERED CLUB #177

Issue 2025-01
(January-February)



The dangers of overcharging....maybe just a Cat 2 issue?

Upcoming Events

Pikes Peak Ceiling Climb	23 March	Don DeLoach Sean McEntee
Indoor at Beth Eden	21 Feb	John Christensen
Sci Oly State Tournament UC Colorado Springs	5 April	John McGrath
Indoor at Manitou	13 April	TBD
Outdoor Scramble	19 April SATURDAY	Jeff Pakiz/Rick Pangell

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- President's Corner/Field Report
- Annual Meeting Minutes
- January Indoor Scramble
- February Indoor Scramble
- The Pearl
- Winter Coupe Contest
- 2025 Calendar
- Projects and New Builds
- Pikes Peak Ceiling Climb Flyer

MMM Club Officers and Contact List

President

Chuck Etherington 720-201-6218

Vice President:

Bernie Olson 682-333-4802

Sec'y / Treasurer and Flying Site

Coordinator:

Chuck Etherington 720-201-6218

PR:

Don DeLoach 719-964-7117

Newsletter:

John McGrath 719-963-9227

Indoor Coordinator:

Sean McEntee 314-910-2097

Club Records Monitor:

Don DeLoach 719-964-7117

Safety Officer

Jeff Pakiz 303-337-9188

Club Points Monitor:

Jace Pivonka 720-202-2936
Pete McQuade (backup)



The President's Corner

By Chuck Etherington

Yes, it's true. I was elected President at the annual meeting in January and pledge to do my best for this extraordinary club. Bernie Olson was elected Vice President. This year I look forward to great flying and clubbiness (yes, it's a real word - as used here, **"friendliness or amiability within a specific group"**). Within the club, we have the old guard with literally hundreds of years of combined wisdom and experience, and more recent members with new energy and fresh ideas. We have numerous goals and objectives to achieve this year. I will go into a few of them in the Field Report, but suffice it to say there may be tasks you have the skills and capability to help with. These are ways to contribute to the success of the club besides serving in club management or running a contest.

At the annual meeting we had a CD training session led by Pete McQuade. With the new scramble format (using the published rules for each class), it was vital that our CDs understand how to do the scoring. The training will be invaluable throughout the season.

Over the club's past 10-20 years we have been able to relax the way scrambles are run. Probably the biggest benefit is that it has enabled the CD to fly. Self-scoring (also used at the Rocky Mountain Championships), made life easier for the CDs and didn't create any major scoring problems. However, there are a few drawbacks. Primary concerns are listed below from least to most critical:

- Score table coverage for questions or decisions needing to be made

- Enforcing the AMA safety requirement that we only fly at least 100' downwind of the cars
- Responsibility for the defibrillator (AED). If someone goes down, it is the CD's responsibility to know where the AED is and to rush it to the stricken person. The CD will not necessarily be operating the AED but needs to get it on scene ASAP.

Rather than restrict the CDs, I would like to implement a CD assistant position. This person would jump in as needed when the CD is unavailable (answer questions at the table, make sure everyone is flying 100' downwind, and know where the AED is). I requested preferred dates from the CDs and their willingness to assist other CDs. Elsewhere in this newsletter is the event schedule which identifies CDs and assistants. Please put both on your calendar.

As you know, the club is run by a leadership council (LC) of six members. Normally it is made up of the three elected positions plus three others. This year was a little different in that the President and Secretary/Treasurer are one in the same person. So the LC is now made up of four others who are heavily involved in the workings of the club:

- Pete McQuade – Previous President and backup Club Points Monitor
- John McGrath – MaxOut Editor
- Sean McEntee – Indoor Coordinator
- Don DeLoach – Public Relations and Club Records Monitor
- Bernie Olson – Vice President
- Chuck Etherington – President,
- Secretary/Treasurer, Flying Site Coordinator

Honorable mention: Jace Pivonka – Club Points Monitor and previous Vice President. Jace now lives and works in Boise, ID.

Indoor Flying: Sean McEntee has been doing a fine job coordinating the indoor scrambles and securing the Pikes Peak Ceiling Climb (PPCC) venue. Darold Jones has coordinated the use of the Manitou Springs High School (MSHS) facility. Upcoming events: PPCC on Sunday, 23 March in the Gallogly field house, UC Colorado Springs, and the last two indoor scrambles of this winter's indoor season 09 March (passed) and 13 April at MSHS. There are also indoor flying opportunities at Beth Eden coordinated by John Christensen.

The Winter Coupe Contest was held on Sunday 22 February at Norris Field (SE of Colo Springs). The weather was fabulous and everyone had a great time.

Last but not least, Karren Groman's Annual Meeting report is published elsewhere in this newsletter. Thanks for doing a great job, Karren!

Field Report.

Chuck Etherington

Rather than writing a separate column for the Field Report, I will occasionally be incorporating it in the President's column. It will depend how much I rattle on. As you might expect, during the winter there is not much activity to report. But note that some of this year's objectives for the Lowry site are:

- Replace the deck on the small trailer that resides at the site and mount the clubhouse on it. It can then be towed to be serviced (much easier and less expensive than dealing with the service companies)
- Move the heavy concrete chunk(s) SSE of flying hill and scrape the center strip on the access road (using Chuck's tractor for both)
- Mow the flying and glider towing area
- Repair the door on the storage silo and make it more secure. Possibly install dummy security cameras
- Clean out the storage silo and address the mouse problem
- Address the unresolved trip hazard with the metal shelter
- Repair leak(s) in shelter roof

January Indoor Scramble

Manitou Springs

By Sean McEntee, CD

The January Scramble, held on the 5th of the month, marks the first indoor meet of 2025. Eight flyers made the trip and entered the contest. In addition to the traditional scramble event, each contest holds a featured event. The featured event for this month is profile scale, with four flyers entered.

At the top of the No-Cal heap: David Aronstein with his fantastic "Mr. Smoothie" Thompson trophy racer. It features a one piece, hand-carved prop which includes winglets (or bladelets?), and it is a great performer. After a bit of warming up, Tom Norell placed a close second with his SBD Dauntless. Tom also gave us mortals some tips and tricks on molding No-Cal parts with strip balsa. Following Tom was Don DeLoach with his Farman Mostique, who put up some great flights. Bringing up the rear was yours truly with a rendition of Paul Bradley's B-25 plans. Meant as more of a technical challenge than a competitive model (and who doesn't love bombers?!), it featured counter-rotating props and scale-length motor sticks. With a little prop experimentation, this model should be able to crack the 1-minute barrier. An honorable mention was John McGrath's great-looking Spitfire.



Yeah, I agree-- that green's a little lurid—Ed.

For the Scramble, Chuck Etherington and Frank Menanno battled for top honors, with Chuck besting Frank in P-18. Other highlights include David Aronstein test-flying his cabin model. David's models are world-class and it is always a treat to watch David's ultra-light models in action.



Newcomer Butch Berlemann, making quantifiable improvement with each outing, brought out his well-executed Lacey M-10 Peanut. Props (no pun intended) goes out to Don DeLoach and Tom Norell for helping Butch get his model trimmed out. Butch's enthusiasm and hunger for knowledge is great to watch, and he will be a factor at contests in the very near future!



Don checks out the alignment on Butch's Lacey

Next month's contest is Feb 9, with the featured event being A-6. If A-6 isn't your speed, start building a peanut for the March Scramble on March 9th. Shortly after will be the Pikes Peak Ceiling Climb, which is tentatively scheduled for 23 March at Gallogly Events Center at University of Colorado Colorado Springs.

February Indoor Scramble Manitou Springs By Mike Nelson, CD

On Sunday Feb 9, 2025, we had an indoor scramble at Manitou Springs for all Magnificent Mountain men free flighters and interested parties. We had a modest turn out of club members as well as students from two different high schools working on two different free flight programs.

The scramble had seven entrants flying with airplanes from five different classes. The flight times were measured as a percentage of the best flight for that class recorded from a different venue (*The City Auditorium--Ed*) at an earlier time. The percentages were then compared for the final official score.



Sean prepping his B-25 for launch.

Frank took third place flying a P-24 and getting a flight of 89 seconds (42%). Chuck took second place flying a P-18 and having a flight of 123 seconds which earned him 72%. Tom took

first with a Peanut by flying 83 seconds which is 118% of the City Aud time in the Peanut class.

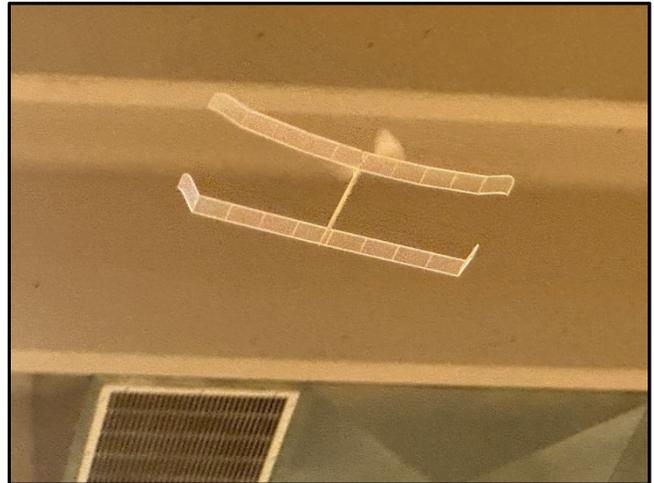


Don's nice-looking A-6

In addition to the scramble we had a featured event to allow head to head non-handicapped flying in the AMA A-6 class. We had 3 entrants in the A-6 class. None of the A-6 flights were allowed to enter the scramble scores. This was a separate competition with separate airplanes.

In the A-6 contest Don DeLoach put up a 99 second flight to get on the scoreboard and then moved on to other things. He finished third with that flight. John McGrath put up two respectable times at 170 and 194 seconds. The 194 earned second place in A-6.

winged creation was fun to watch and each flight resulted in a fair amount of head scratching to determine the next change to improve flight times. Trimming, rubber sizing, and winding technique for the new model improved his times with each flight. He made all five official flights and won the A-6 contest with a flight time of 225 seconds.



Tom's A-6 in flight (and on the bench, lower left)

High school students from several different schools had a flurry of activity from building, trimming, and flying helicopters and airplanes. Some migrated to their own corners of the gym to minimize interaction with all the other flying that was going on, while others took their turn in the center of the gym to get their best flights in. It seemed that everyone managed to get some good flights in.



Tom Norell gambled and brought a newly built and unflown A-6 to the contest. The tandem



The activity from building, trimming, and flying, (and repairing) by all was nearly non-stop

throughout the day. Very few models had to be retrieved from the hungry basketball backboards



Frank demonstrates winding to a B Div Sci Oly student.



Looks like a Hawk P-18 about to be launched by this young lady



Great shot of Sean's No-Cal B-25 up around 10,000 feet! Bob Radney photo.

The Pearl: Tom Norell Joins The Two-Time Club

By Bernie Olson

With gratitude and respect I pass along the highly coveted Pearl award to Tom Norell in recognition of training he delivered at MMM indoor flying events in 2024. He taught us proper use a balsa stripper and how to get a straight stick out of a badly warped sheet of wood. Amazing; I wouldn't have believed it could be done. Tom also passed along knowledge from his decades of insight on sources for the sharpest blades for Xacto knives, plus manufacturers of the sharpest, best wearing single- and double-edge razor blades. Craftsmanship like Tom's is disappearing and passing it along is truly valuable in our hobby. Apparently, this is Tom's second receipt of this prestigious award. Thanks friend!



2025 MMM Club Annual Meeting
1/11/2025
9:00 AM – 12:30 PM
Pikes Peak Grange, Franktown

In Attendance:

Pete McQuade
 Chuck Etherington
 Jerry Murphy
 Darold Jones
 Rick Pangell
 Bernie Olson
 Len Sanders
 John McGrath
 Ken Phair
 Frank Menanno
 Sean McEntee
 Bill Groman
 Karren Groman
 Don DeLoach

Deceased Members and Celebration of Life:

- Rob Romash
- Mark Covington
- Randy Reynolds
- Steve Spence
- Susan Etherington



Don shows us the state of the art in band-burner timers

With same cost we now have 2 flying fields
 We are in our 3rd year of a 5 year lease on the fields,
 not 10 as was the previous lease.
 Clubhouse was serviced by Chuck
 Insurance covers both fields

There was a vote on dues to remain the same as 2024 (unanimous)

Club members have the option of paying for dues and entry fees through PayPal. Dues are \$45 for full membership, \$10 for 16-20 year-olds, free for under 16 years old. \$15 for newsletter subscription.

Status of Fields

Lowry Field

- There was a break- in to the storage silo – nothing was taken
- Mowing maintenance was performed by Frank, Pete and Chuck – they will continue for 2025
- Pete mowed the glider towing area
- Bill and Karren Groman volunteered to help with any needed work
- Make sure you close the gates behind you
- Hold a couple of contests at Norris Field

John: Science Olympiad –Regional and State

Our club has a good reputation for running these events

Helicopter is the event for this year

Southern Region event March 8th at UC Pueblo

State Tournament April 5th at UCCS CO Springs

Looking for volunteers

Don: Ceiling Climb

-Sean working on Ceiling Climb venue at UCCS

-Fees went up to \$98

-The ceiling is 33'

-March 23rd 1st weekend of spring break – would like it to be the same time every year

John M: Beth Eden

-We have a good group

-There's been a discussion of adding a volley ball site– possible other venues.

Darold: Manitou

-The new guy at the school there is much more receptive to our needs.

-There can be a problem with rubber lube on the floor and members will need to be careful.

-Make sure members do not leave tape on the floors.

-We have had problems with the blowers and air handlers – we need them off for all contests.

-It might be helpful to show the new guy (at the school) why it is so important to have all the blowers/air handlers off.

-We could consider buying the new guy lunch for a 1 on 1 conversation about this topic.

-The heater is different from the air handlers – we need to cover the heater.

-Pete and Darold will work with the new guy.

Hall of Fame – MMM

- Chuck has the plaque
- Open window for nomination until March 31st, forms available
- Service to Club is the predominant criterion
- HOF members living:
 - Don
 - Chuck
 - Murph
 - Ken
 - Rick
- National Free Flight Society and AMA also have Halls of Fame – very similar – ours is a better process.

Junior Champion – Skilly DeLoach - \$50 check
 Hand Launch Glider Champion – Sean McEntee

Master Magnificent Mountain Man (MMMM) awards:

- Don Deloach – 26 maxes
- John McGrath -28 maxes
- Jack Murphy – 40 maxes
- Frank Menanno – 53 maxes --- Champ!

Scramble Champion Award:

- Rick Pangell – 5th
- Don Deloach – 4th
- Sean McEntee – 3rd
- John McGrath – 2nd
- Frank Menanno – 1st --- Champ!



Frank shows off his Scramble Winner award. Go Frank!

Pearl Award:

- There are no criteria – very subjective
- Don Deloach has 2 Pearl award pins as backups
- Bernie to pass to Tom Norell for creating and delivering classes at indoor events in 2024

Break 9:55

Jerry Murphy has 4 part series magazines for Indoor Flying available as giveaways

Presentation by Don:

- BMK band burner timers
- 3 different kinds
- 1 gram board
- Single function
- 40 milliamps cells work
- 70 milliamps cells work
- Suggests vinyl hair bands not rubber bands
- \$15 timer
- \$5 battery

Radio DT timer
 \$55-\$60 with transmitter
 Can use multiple timers on same transmitter

Battery life for the 70 mA is at least 24 DT's

- Hummingbird timer
- 1.02 g w/battery
- Fully programmable
- Has tether
- Smaller and harder to program
- \$35

CD Process and Responsibilities:

- Will be sent to every CD
- Contest Directors are very important

Scramble scoring has evolved over several years

- Current rules afford greater compliance with event rules
- Purpose is to increase competition and participation

CD Prep and duties discussion:

- Check list very important
- Gate security
- Money – Deliver to Treasurer
- Defibrillator
- First Aid kit
- Submit paperwork on time
- Make sure all contestants have current AMA card
- Entry form within 10 days of contest
- CD's receive 1/2 off AMA membership dues
- Contest report w/description of contest for the

MaxOut
 photos
 sent to John McGrath
 Indoor different process

Current CD's: - will have CD Training

- Pete McQuade: Trainer
- Frank Menanno
- Darold Jones

Don Deloach
John McGrath
Murph – Jerry Murphy
Sean McEntee
Rick Pangell
Chuck Etherington
Ken Phair

Post Contest CD Responsibilities:

- Checklist
- The CD briefcase will be kept in the storage silo, and contains:
 - Binder
 - First aid kit
 - Rule book
- AMA contest report due within 7 days
- Photos, scores to Don Deloach, Jace Pivonka, Pete McQuade
- Contest report to John McGrath and Sean McEntee for Maxout
- Email a copy to contest coordinators

11:37 break

Proposed changes to scramble rules

- For FAI events, imitate FAI Sporting Code sequence of 7 flights of 3 minutes max (for majors) then increasing maxes, vote approved unanimous
- Don Deloach to submit proposal for Mulvihill scoring

11:47 Break

Contest schedule

- Approved back-to-back events on March 8th and 9th
- Approved Build/Fly/Trim on Feb 9th
- Vote – change in Scramble date to 4/19 approved from 4/27
- Add a 2nd June scramble as a fun fly? Would need another CD for this date
- Not going to assign CD's today – after training
- Christmas Party? Possible dates – Rick Pangell and Don Deloach will organize - 8 voted in favor

Election of Officers – 2025

- Pete McQuade will not run as President again in 2025
- Bernie Olson was nominated for Vice President by Pete McQuade and unanimously confirmed
- Chuck Etherington was nominated for President by Pete McQuade and unanimously confirmed
- Chuck Etherington was nominated for Secretary/Treasurer by Pete McQuade and unanimously confirmed

Don – feedback on RMC's

- Mark's Glider Remembrance to be held this coming RMC

Frank – working on sportsmanship conduct outline

Jerry – AMA news

- Rules being proposed

Rick Pangell gave Bill Groman a pint of Sig nitrate dope

Held CD training session:

Now trained:

Pete McQuade—Trainer
Sean McEntee
Don Deloach
Karren Groman
Bill Groman
Ken Phair
Jerry Murphy
Chuck Etherington
Rick Pangell
Darold Jones
John McGrath
Frank Menanno
Bernie Olson

1:37 MEETING ADJOURNED

Thank you to Karren Groman for keeping the minutes!



Pete conducts CD training, with superb examples of score calculations, and a review of Algebra order of operations!

Winter Coupe Contest

(Ed.)

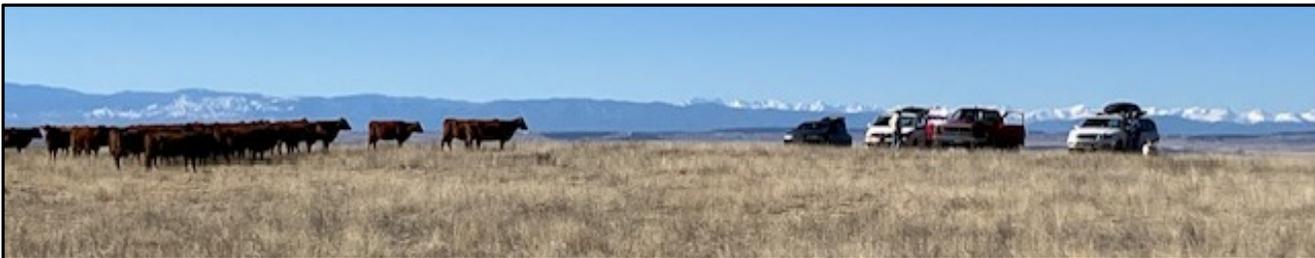
Every so often during the cold part of the year mother nature forgets what month it is and gives us a nice, warm, flyable day. President Chuck spotted a possible window coming our way and over a few days' time confirmed that the last Saturday in February was going to be a winner. The Coupe contest doesn't get flown some years because weather and the indoor schedule don't permit it, but this year we were given a beautiful, warm, cloudless, low-wind day down at the Norris Ranch site.



Don's FIG

Present were Chuck, Don, Darold, Sean, Frank, Neil Meyers and me, with Don as CD. (Plus four canines ☺) We picked an extremely nice spot for a flight line along the road leading from the east gate where it slopes gently up toward the North. After being visited by the local cow herd we got to flying.

Got Food?



What a day! Don launches his 2020 Super Pearl 225.

We were all working on various planes, but eventually we put up Coupe flights. Don's model had some new wings, and there were some trim issues to be worked out. Darold regrettably was unable to fly because his plane needed a stuffing stick that failed to jump aboard his van when he left the house, and my own model was having some trim issues under power (looping and trying to crash). Frank put his Coupe up, but after realizing it had some serious trim problems, he retired after a single flight.

After adding some right thrust, my plane calmed down and I was able to start officials. I was fortunate to put up three maxes over the next couple of hours, giving me the win in Coupe. The thermals were good, but not crazy-good, so I was happy, especially since I always have a hard time getting a max on my first flight.

Other flying: CD Don added HLG and CLG to the menu. He, Frank and Neil put up flights in CLG, and there was some drama! In his first four flights, Neil put up two 90-second maxes



and an 84. After putting up a flight #2 max, Don didn't get another until flight #5, then wrapped up with an 88—just four seconds better than Neil for the win.

Frank and I were both working on our E-20's (in which Frank finally convinced me to move my CG back), and Sean was getting some excellent air with his tip-launched glider. Later

in the day, Don did some test flying with his 2020 "snake-bit, back from the discard pile" Super Pearl 225.

We were extremely fortunate to have such an amazing flying day, and there's no doubt about it—the Norris ranch site is a fantastic site and we're lucky to have a southern option!

Winter Cup Results:

F1G	McGrath	360 sec
	DeLoach	289
	Menanno	16
CLG	DeLoach	2.98 maxes
	Myers	2.93
	Menanno	2.46
HLG	McEntee	2.67



Remember her? This is a two-year-old photo of **Heidi Sharpen**, flying with us at Manitou. This year she **won** the Colorado State TSA Flight event with her Tess 25 ROG model. We saw her just a single time this year, but she sorted out her plane – with the help of a few of us— to the point that it was ready to go for the big day. Congratulations, Heidi!



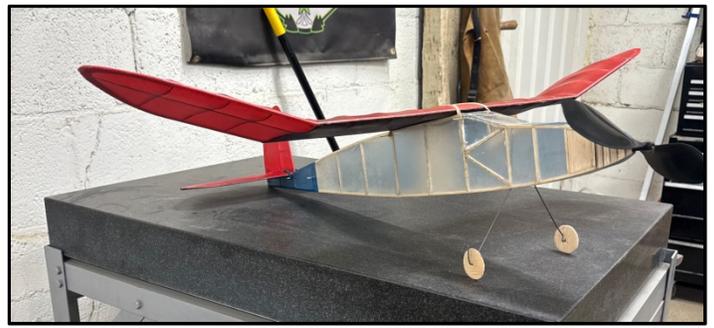
Our late friend Rob Romash remains present as part of a display of his models at the EAA Museum in Oshkosh, WI. Rob had some excellent friends there at the Museum, and putting him in front of that historic P-64 is a nice touch! Carry on, Rob.

As always—subject to updates

MMM 2025 Event Calendar			
Event	Date	Primary	Assistant
Indoor at Beth Eden	17 Jan (Fri)	John Christensen	
Indoor Scramble at Manitou Sci Oly Build/Fly/Trim	9 Feb (Sun)	Mike Nelson	
Indoor at Beth Eden	21 Feb (Fri)	John Christensen	
CO Southern Region Sci Oly (UC Pueblo)	8 March (Sat)	John McGrath	
Indoor Scramble at Manitou	9 March (Sun)	Chuck Etherington	
Indoor at Beth Eden	14 Mar (Fri)	John Christensen	
Indoor at Beth Eden	21 Mar (Fri)	John Christensen	
Pikes Peak Ceiling Climb	23 Mar (Sun)	Don DeLoach, Sean McEntee	
CO State Sci Oly Tournament (UCCS)	5 April (Sat)	John McGrath	
Indoor Scramble at Manitou	13 Apr (Sun)	No information	
Outdoor Scramble	19 Apr (Sat)	Jeff	Rick
Outdoor Scramble	18 May (Sun)	Rick	Frank
Outdoor Scramble	8 June (Sun)	Murph	Sean
Casino Cup	13-14 Jun (Fri-Sat)	Jack	Depends upon attendees
Outdoor Scramble	29 June (Sun)	Sean	Don
14-Rounder	12-13 July (Sat-Sun)	Pete McQuade, John McGrath	
Outdoor Scramble (Late Day)	3 Aug (Sun)	Frank	Murph
Rocky Mountain FF Champs	30 Aug – 1 Sep (Sat-Mon)	Don DeLoach, Chuck Etherington	
Outdoor Scramble	21 Sep (Sun)	Pete	Bernie
Outdoor Scramble	19 Oct (Sun)	Bernie	John
Outdoor Scramble (Frito Pie)	2 Nov (Sun)	Darold	Chuck
Christmas Social	???	Don, Rick	
Annual Meeting	10 Jan 2026 (Sat)	Chuck Etherington	

Projects and New Builds

Bernie Olson's Box



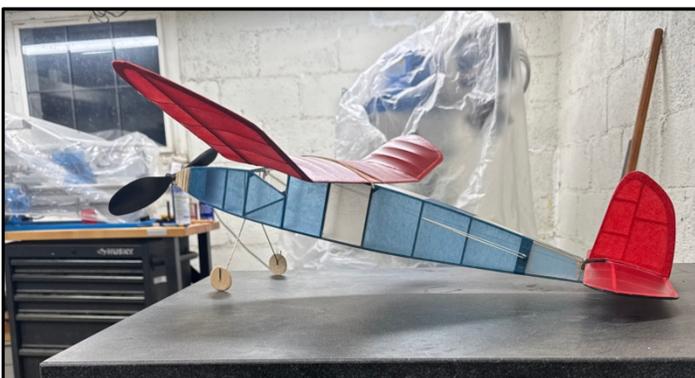
Butch is coming on strong, and this is his build of J&H's Mercury kit. 36" span, with a plastic prop. *Excellent work, Butch—can't wait to see it fly. OT Rubber, here we come!*

Jack Murphy's E-36/F1S Carbon parts project



From VP Bernie: "A box is born. Still have to incorporate a lid support, handles and of course the innards that will support the model parts. Ended up making it 12 x 15 x 48 out of 1/8-inch Luan ply and strip wood. Weighed 14 lb before paint and varnish and didn't hold back on that stuff. It's definitely not free flight lite. Thanks for all the thoughts and experience to help with this project!" *Gorgeous, Bern!*

Butch Berlemann's Mercury

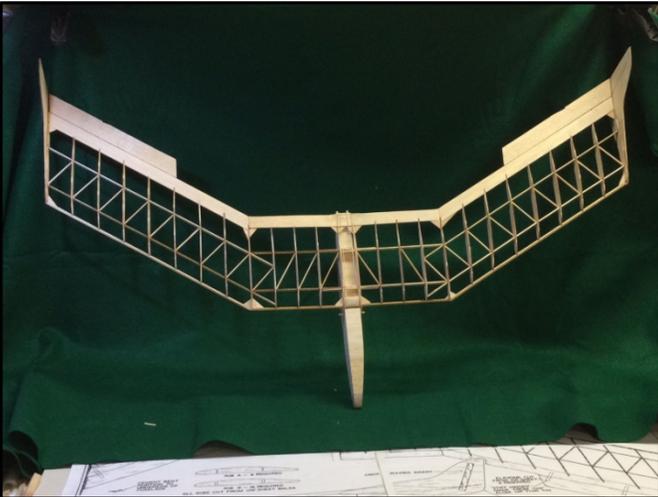


From Jack: "I did have my new carbon front end Leepin' Lizzard in AZ, but couldn't get it trimmed. I switched wings in CA and it really hooked up. I am also working on carbon d-boxes. I am no expert and the end product at this point is very primitive, very Rube Goldberg. But hopefully I am learning by jumping in, willing to succeed and/or fail.



I nearly threw the project in the trash several times along the way, but ended up with something I could use. The next ones will be better.” *Jack—keep it up! Those D-box molds are particularly intriguing.*

Bill Ledden’s Seagull



From Bill: “Seagull: MAN December 1956, 36” glider by Ray Booth. waiting for warmer weather for covering and nitrate. Wanted to built it since Dec. 1956, now almost off bucket list. Only about 500 to go. Next up Washboard, July 1965, Aeromodeler. Please don't say I'm stuck in the past.” *Never, Bill—This is an amazing model.*

Frank Menanno’s Ramrod 600



From Frank: “John, I inherited this Ramrod 600 from my brother Guy that had a motor come off the front and it ate the wing! I don't think he wanted to fix it, so I've been enjoying the repair and updating it with a different motor and new TM timer rdt!” *Frank also sent along photos showing the chewed up LE section and his carbon fiber reinforcement inside the wing.*”

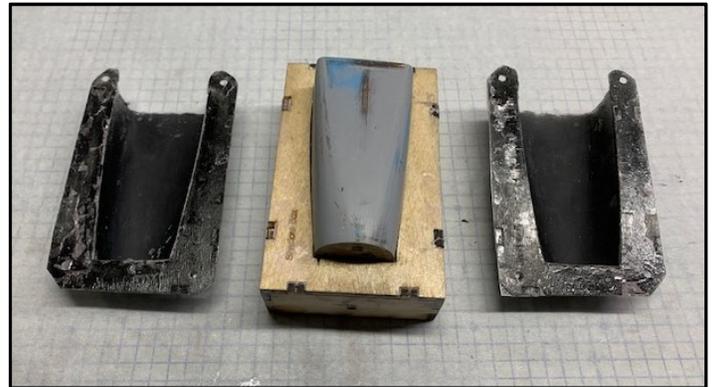
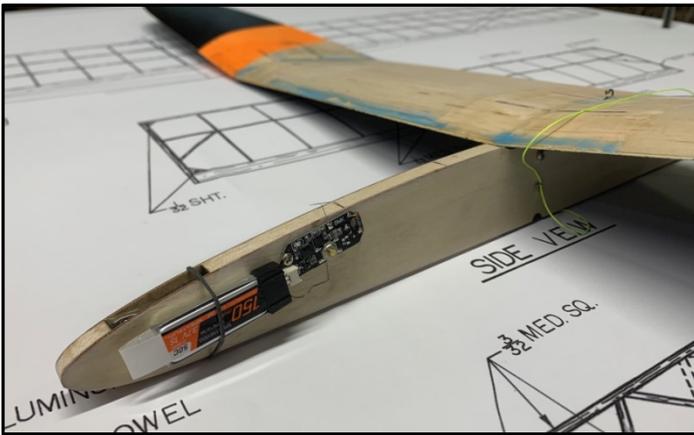
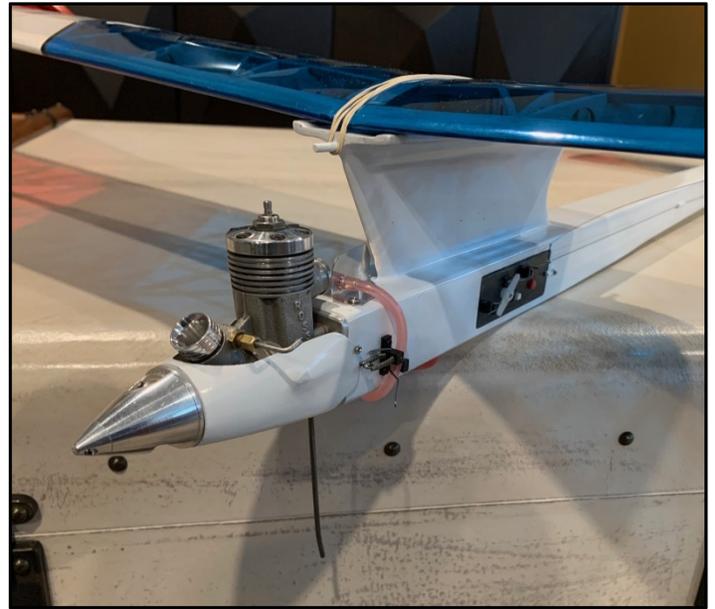
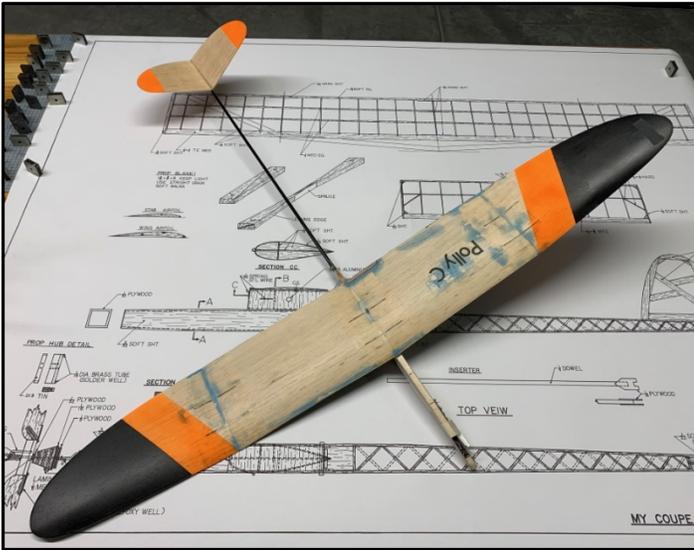
Bernie’s Thunderbird F-4 JetCat



Bernie’s Thunderbird F-4 JetCat

From Bernie: “...a Volare F-4 Jetcat that came in at 30.5 grams. Thought the T-bird scheme would be easier to see than the typical air-superiority grey birds.” *Bernie—mine is still in the “McDonnell Douglas pre-prototype balsa wood mockup paint scheme” ☺*

Bernie's J&H Polly C



“This is a J&H Aerospace Polly C tip-launch glider with a Hummingbird tiny band burner RDT. Finished weight is 115 grams. Wonder if I can throw this guy without falling down?” *Bernie—This is why we have Jace. Oh wait. He’s in Idaho.*

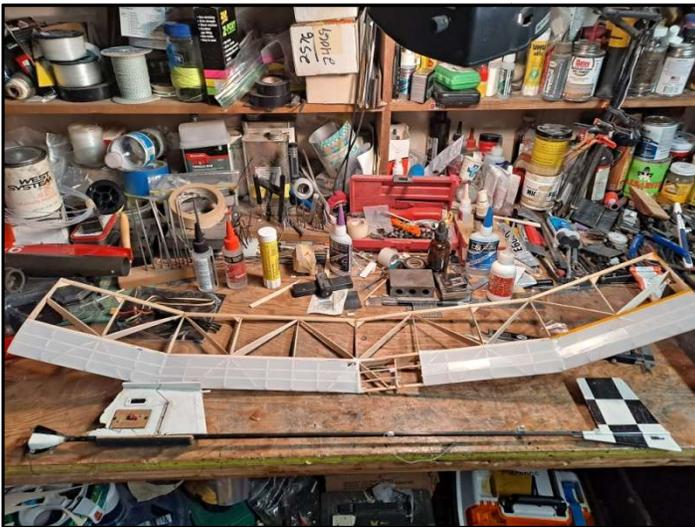
“The third is a more involved project; a scratch-built Astrostar scaled to 450 square-inches. It uses a Ron Young Rossi .15 with a Mennano/BMK RDT and currently sits at 492 grams without a prop. It’s in transit. National Balsa did the honors of laser cutting the parts. Just had to mold a glass cowl to blend with that pretty polished spinner. It’s covered in Ultracote Lite and paint is Klass Kote. We’ll see how long it survives.” *Amazing, Bernie. So let me get this straight. The gorgeous F-4 and the ready-to-rock TLG were what—palate cleansers?*

Bernie's Astrostar 450



“Bernie, you’re gonna need a bigger boat.”

Frank's E-36 Super Pearl 222/202

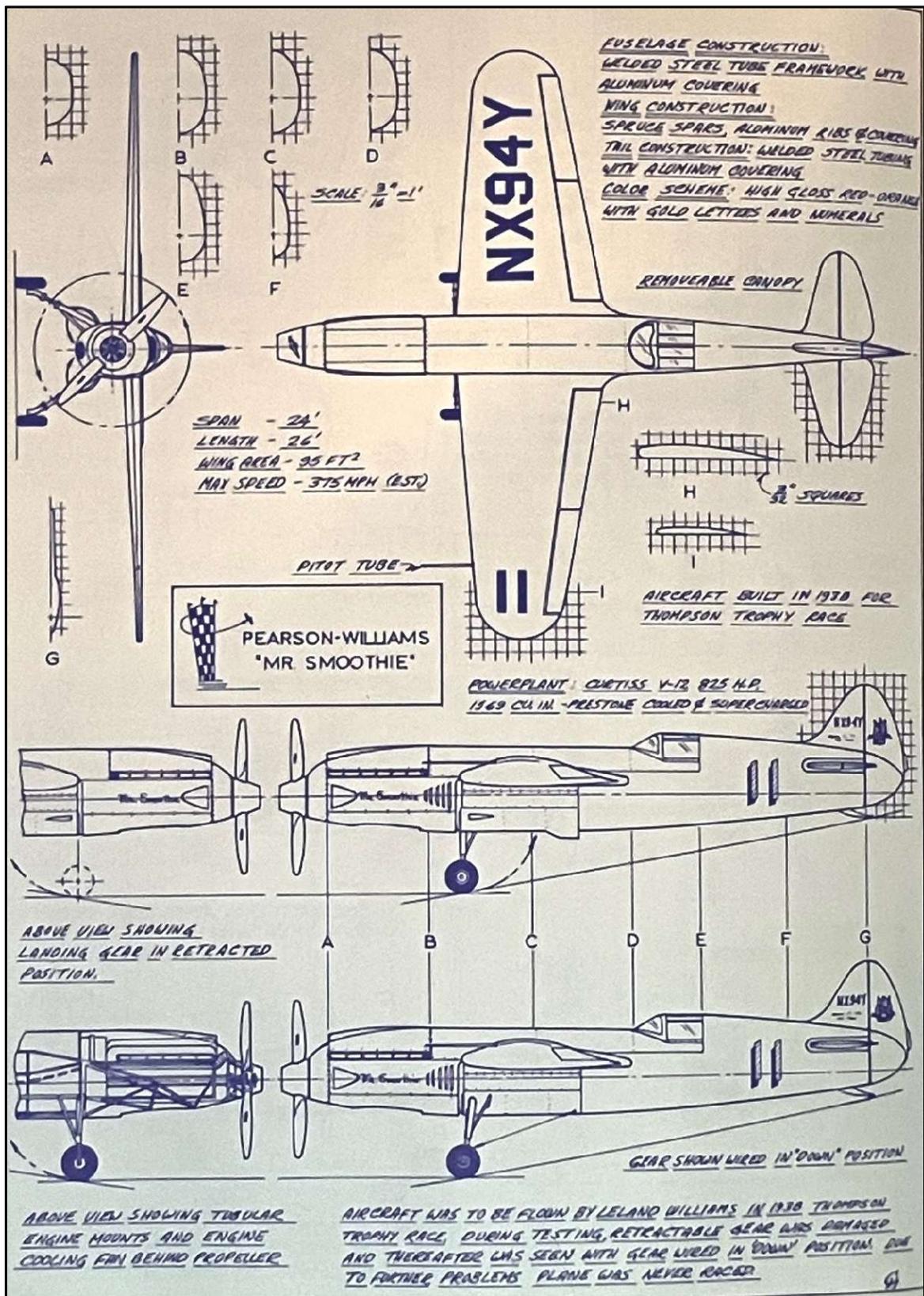


From Frank: "A Star is Born! It's a repaired E-36 222 Super Pearl wing and stab on a 202 SP repaired fuselage! This is an all new, to me, E-36. I pulled the wing out of a trash can where Todd stuck it. This was his that blew up in the air at one of our last contests. He gave me the stab later on, but the fuselage is from Mark Covington. Don said he had crashed it years ago. I rebuilt the front pylon. The motor is the Cobra fls motor that used to be on my E36. I put in a spare 11 amp ESC. The timer was in there but I just upgraded the chip on it so I can do seven second flights for fls. I installed a new servo and I changed the location of the battery by moving it forward a couple inches." *Let's see—that's one, two, three, four MMM members who have built, crashed, owned or repaired parts of this airplane? It can't lose!*

Frank's Secret F1C Project

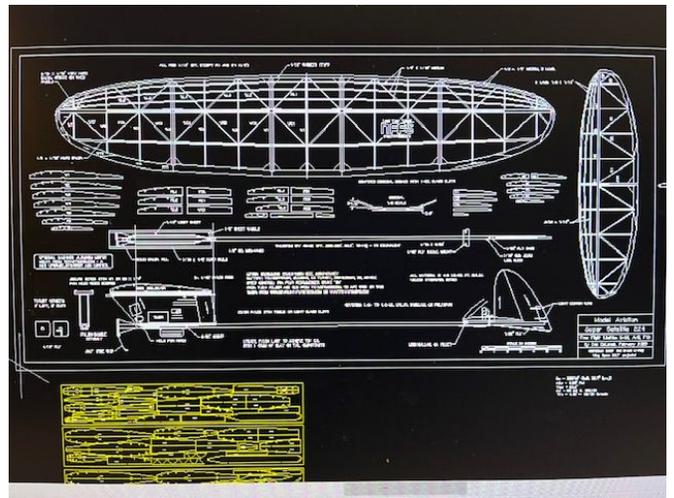
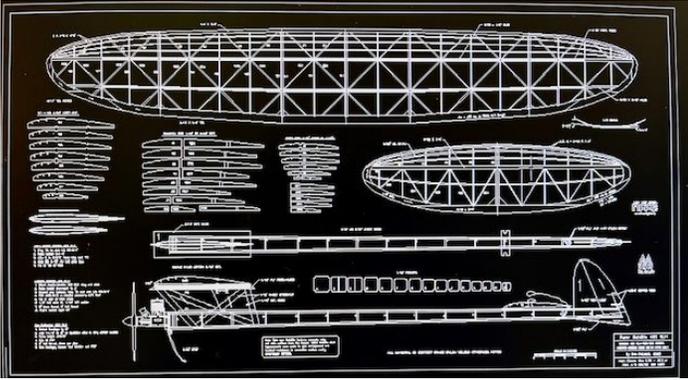


From Frank: "Sweet 16 F1C from Daryl Perkins. Upgraded RDT, timers, new lines, new motor, aluminum skin wings and stab. At the finals I bought a set of F1J Wings off Daryl Perkins and we got talking and he presented both of those F1C's to me for free (*one not pictured*) he just wanted to see them back up in the air he had quit flying them years ago. This model has flown in two Fai finals at Lost Hills!" *Okay, Frank—the pressure's on!*



In recognition of David Aronstein's superb No-Cal, here's a copy of the Pearson-Williams 1938 **Mr. Smoothie** page out of Charles A. Mendenhall's The Air Racer, first published in 1979. What makes a good No-Cal subject? It might be a big length to span ratio, which would offer a nice long motor stick length with the fixed 16" span. Mr. Smoothie is 26 length x 24 span (ft). In the notes on the page I don't see any mention of the open spinner, but that's got to be part of the cooling situation. There is a note at the bottom that says, "During testing, retractable gear was damaged and thereafter was seen with the gear wired in 'down' position, and to further problems, plane was never raced." Bit of a downer!

From Don DeLoach's Secret Underground Lair



From Don: "Teaser for the NL: I'm doing very bad things in CAD. Very anti-Pearl things. Super Satellites! E-36, 224 square inches, AB gas/AB electric, 450 squares. They're gonna be fun." *Very cool, Don. First flights when?* "LOL"

IF YOU WANT TO BECOME A MEMBER, OR IF YOUR PERSONAL INFORMATION CHANGES, PLEASE USE THIS FORM

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(Under 16 yrs. old – FREE!)

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Note: MMM also accepts PAYPAL for Dues, Contest Entry Fees, Etc

- 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.

*The University of Colorado-Colorado Springs' Design-Build-Fly Team, AIAA Branch,
And Colorado's MMM Club (AMA #177) bring you the*

19th Pikes Peak Ceiling Climb

AMA Sanctioned Cat. II Indoor Free Flight Model Airplane Contest

Sunday, March 23, 2025

Flying site is the 40' Gallogly Events Center, 1420 Austin Bluffs Parkway, Colorado Springs, Colorado

Flying Hours: 9:00 a.m. to 6:00 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. – 11:00 a.m.	STATIC JUDGING: FAC Peanut, FAC Jet Catapult Scale.
9:00 a.m. – 11:00 a.m.	GLIDER FLYING <u>ONLY</u> : AMA HLG, AMA Unlimited/Standard Catapult combined, FAC Jet Catapult Scale, Tiny Glider①. <u>No HLG/CLG/Jet Cat flying after 11:00 a.m.</u> Rubber may fly at your own risk during the 9:00-11:00 window, but must yield to Gliders as needed.
11:00 – 6:00 p.m.	RUBBER and TOWLINE: P-24 Mass Launch (12pm), FAC Peanut Scale, FAC No-Cal Scale, Bostonian 7g, Limited Pennyplane, WWII No-Cal Mass Launch②(1pm), FAC Dime Scale, FAC Phantom Flash 5g, FAC Phantom Flash 5g Mass Launch (2pm), P-18, P-18 Mass Launch (3pm), NFFS Towline Glider③, Greve/Thompson No-Cal Mass Launch④(4pm), F1M, F1L, Easy B, Mini Stick, A-6, F1D. <u>NOTE: if there are enough sub 2-gram rubber models we will announce a lightweight only window from 4:00-6:00.</u>

① Tiny Glider: Score = {total, best 2 of 9 flights} / {wingspan (inches) + 1.0}. Example: 4" span, best two flights 18.1 sec and 21.9 sec., score = {18.1 + 21.9} / {4+1} = {40}/5 = 8.00 points. No size limits. If you want to fly a 40" span glider in 'tiny glider' you may, but the handicap will really hurt you!

② 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.

③ Now an official NFFS event. Rules at <http://www.freeflight.org>

④ All FAC rules apply except no Hosler Furies. 7" max prop diameter and minimum empty weight of 6.2 grams. Models must have correct color and markings.

The Fine Print:

- Contest Directors: David Aronstein davidaronstein@gmail.com and Don DeLoach, ddeloach@comcast.net 719-964-7117
- Entry fee: none
- No chairs or tables provided
- Load-in and parking is tricky. Email contest directors prior to the event date. See "GEC" on campus map: <http://map.uccs.edu>
- Link to AMA rules: [https://www.modelaircraft.org/sites/default/files/Indoor Free Flight 2022-2023.pdf](https://www.modelaircraft.org/sites/default/files/Indoor%20Free%20Flight%202022-2023.pdf)
- Link to FAC rules: <http://www.flyingacesclub.com/>
- Sorry, no RC flying.
- "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 or two entered.





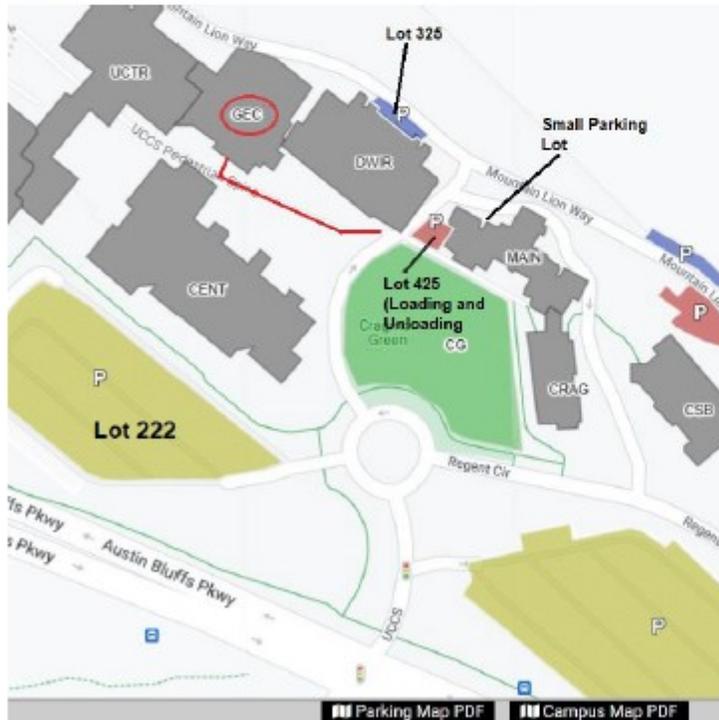
Driving/Parking Directions

Directions

From I-25, travel east on Garden of the Gods Rd for approx. 2 miles (if using GPS/NAV, search "UCCS Main Hall"). Turn left at the stoplight onto Regent Cir. Take the 2nd roundabout exit and proceed on the one-way street.

Loading/Unloading

Driving up the one-way, a small, 3-space parking lot (lot 425) will be off to the right. Please use these spaces for loading/unloading of models and equipment. Proceed down UCCS Pedestrian Spine. Gallogly Events Center (GEC) is to the right.



Parking

Preferred parking is located on Lot 222. Continue on the one-way to Regent Circle and turn right. Take the 2nd roundabout exit towards Lot 222. Some walking and climbing stairs are required to get to GEC from Lot 222. Limited parking close to GEC is Lot 325 and a small parking lot behind Main Hall. **Please reserve these parking lots for those who may need it.**

Point of Contact: Sean McEntee (314)910-2097