

# THE JEFKO FLYER

## AMA #176



### 2016-17 Board of Directors

President	Peter Thompson	303-791-3407
Vice President	Glenn Lee	303-972-6470
Treasurer	Lora Knowlton	303-973-1209
Secretary	Larry Fagan	303-697-4569
AMA Safety Officer	Steve Rosselot	303-378-4990
Board Member	Ron Ratcliffe	303-660-3842
Board Member	Kevin Furman	N/A
Board Member	Art Wilson	303-506-7449
Board Member	Bud Glass	303-347-2078

### 2016-17 Volunteers

Club Historian	Lee Taylor	303-237-8772
Park Liaison	Tom Elliot	303-795-2547
Drawings	Dave Hock	303-842-6794
A/V Coordinator	Larry Fagan	303-697-4569
Flt. Inst. Coordinator/		
Student Trng.	Bud Glass	303-829-5351
Storage Shed	Bud Glass	303-829-5351
Chief Flight Instructor	Vacant	N/A
Event Coordinator	Paul McIntosh	720-480-5879
LRPC Chairman	Bruce Ream	303-346-5722
Membership Coordinator	Lora Knowlton	303-973-1209

Equipment Repair	Larry Bickel	303-794-2167
Lost and Found	Bud Glass	303-829-5351
Field/Runway Maintenance		
Chair	Bud Glass	303-829-5351
Program Director	Larry Fagan	303-697-4569
Newsletter Editor	Larry Fagan	303-697-4569
Web Master	Terry Hock	N/A
Media Liaison	Bruce Robson	303-933-9727
Fire Marshal & First Aid	Ron Ratcliffe	303-660-3842
Asst. Fire Marshal	Ed Scholes	720-352-8157
Club Photographer	Bud Glass	303-829-5351

Jefco Home page: [www.jeffcoeromodlers.com](http://www.jeffcoeromodlers.com)  
 AMA Website: [www.modelaircraft.org](http://www.modelaircraft.org)  
 Dist IX website: [www.amadistrict-ix.org](http://www.amadistrict-ix.org)

Newsletter Submissions e-mail: [larrynotcurlyormho@centurylink.net](mailto:larrynotcurlyormho@centurylink.net)

Monthly Newsletter archived at: [www.jeffcoeromodlers.com](http://www.jeffcoeromodlers.com)

Chatfield Aerodrome Weather: [www.jeffcoeromodlers.com/weather/](http://www.jeffcoeromodlers.com/weather/)

Jefco Aeromod'lers Mailing Address:  
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 P.O. Box 621156  
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September 2017

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*Do not allow your aircraft to fly over the campgrounds or the guard shack.*

*Above: All 4 planes captured in a heat at the Mile-High Challenge*

*R/C Pylon Race at the Chatfield Aerodrome - Bud Glass Photo*

*September's Program: Chris Jackson - Commercial UAS Helicopter*

## President's Message - September, 2017



### Jeffco Membership.

August came and went with two spectacular flying events. The Mile High Challenge Pylon Race was fabulous. Hank Diepenbroek put on a great event August 5 and 6<sup>th</sup>. Smiley Henderson had great food and the response back from the Pilots was overwhelmingly positive even with a bit of wet weather at the end of Saturday. Can't wait to see what happens next year if we land the Champ's Race.

We had the last scheduled event last weekend with the Heli Fun Fly run by Paul McIntosh, with Smiley providing his great fare. I stopped out to see what was happening. Quite a few flyers demonstrating their skills. Like all of us fixed wing guys, sometime even we fail to make it back to the ground in one piece. See, we are the same! As one member said, "If you can afford to buy them, you can afford to fix them too".

September is the time for elections. A list of candidates were posted in the last newsletter and voting is on the first Wednesday in September at Alice Terry Elementary School. It will be the first order of business.

A word about the Board of Directors. The Board works hard to provide the best environment for flying enjoyment at the Jeffco Aerodrome. But lots of things happen behind the scenes that you may not know about. A lot of time is dedicated to parsing wishes of the membership and dealing with what needs to happen to keep the club going in the right direction. Recently there was a request to join with another RC club to hold and auction together. A board level decision was made not to move forward due to the uncertainty of the offer/proposal made to Jeffco. We felt the timing was wrong to pursue this and how it would take away from one of our key events. So, this offer/proposal did not make to the general membership for those reasons. This is the kind of subject we look at as duly elected members of Jeffco Aeromodlers Board of Directors. Yea Team! If you have issues you want to have addressed by the Board, contact any of us and we will certainly look at it.

As you will read, other changes to our fiscal year accounting will change as well. This will only have positive benefits to the membership with regards to dues, club badges and such. We will give a more detailed presentation at the upcoming meeting.

Not much else going on until 2018 other than the days are growing shorter. Go figure. So, get out and fly, have fun and see you at the meeting.

Regards,

Peter Thompson, President

Jeffco Aeromodlers.

### Welcome New Jefco Aeromod'lers R/C Club Members

**Sean Cowan – Highlands Ranch, CO**

**Rob Derstadt – Highlands Ranch, CO**

**Doug McCain – Castle Rock, CO**

**Bruce Thompson – Denver, CO**

### Jeffco Aeromod'lers

September	3	Mike	Sadler
September	5	Sheldon	Campbell
September	6	Charles 'Ruddy' Goulet	
September	7	Don	Kargo
September	12	Dennis	Smythe
September	19	Roger	King
September	20	Ralph	Mroch
September	20	Steve	Russell



### September Birthdays

September	21	Bob	English
September	21	John	Blanyer
September	23	Jim	Arnett
September	23	Leonard	Kanonik
September	25	David	Larson
September	25	Tom	Neff
September	27	John	Lin
September	30	Bill	Higgins

## August 2, 2017 Jefco Aeromod'lers R/C Club Business Meeting Minutes

**The meeting was called to order by President Peter Thompson at 7:04 PM at the Alice Terry Elementary School. There were 26 in attendance.**

**President's Comments:** Before the program started President Thompson wanted to mention a couple of events he was very proud of. The first was the July general meeting that was held at the Chatfield Aerodrome. He thanked new member Kevin "Smiley" Henderson for a fantastic meal that included brats and burgers. A fun-fly was held after a short business meeting. President Thompson mentioned that there were many different kinds of planes and no crashes.

The second event President Thompson mentioned was the Ranger and Park Volunteer Fun-Fly. Smiley Henderson and Paul McIntosh cooked up a scrumptious lunch using Smiley's cooking rig. They served about 80 meals. Bud Glass was involved with the logistics as usual. President Thompson recognized other volunteers who were involved, especially those who provided flying instruction for the rangers and park volunteers.

**New Members:** President Thompson handed the mic to new member Doug McCain who introduced himself. He caught the flying bug from some friends of some neighbors who float fly off a lake in Omaha. He lives in Castle Rock and hopes to learn to solo without crashing. President Thompson directed his attention to Bud Glass for flight instruction and training.

**Mile-High Challenge Pylon Race:** Hank Diepenbroek discussed the upcoming pylon racing event. He said he had an adequate number of volunteers, but anyone else who'd like to volunteer would be welcomed. He said that plenty of people stepped forward to lend their pop-up shades for out-of-town guests who would have trouble bringing their own. He does need additional chairs. He stated that most bases are covered.

Hank is very excited about what Terry Hock is up to. Terry has set up a link on the Club's website to give up-to-date information about the race. Terry will be updating heat information as well as accumulating scores almost in real time! Hank projected Terry's test screens so that the members could see how to access the information on the Club's website during the race. Hank feels Terry has developed a most advanced system. Terry is also working with Hank to automate the scoring system to make the racing system almost paperless.

Hank stated that 29 pilots were signed up as of tonight's meeting. Hank went on to discuss the possibility of hosting the Champs Pylon Race next year. He has been receiving a lot of positive feedback about doing so. There are two premier pylon races held in the US, and the Champs race is one of them. It attracts international contestants as well, so it would be quite a feather in our

caps to host this race. Hank pointed out that if we host this race next year, it would replace the 2018 Mile-High Challenge.

**Program:** Bruno Mary, Building Techniques - Molding Rubber Parts. President Thompson turned the mic over to Bruno Mary who pointed out the mold is made from silicon rubber, and the parts produce from the mold are acrylic plastic. Bruno passed around a nose cowl from his ME-109 to show the exhaust manifold he produced using the techniques he demonstrated.

The concept is fairly straight forward. You make a high quality part that you wish to reproduce, pour the silicon mold material around it, allow the silicon about 24 hours to cure, pull the mold off the part, pour the acrylic plastic into the mold, allow it to harden, and then remove and use it.

The original part is prepared by waxing its surface and polishing it to a high degree. This prevents the silicon mold material from

Bruno pointed out that when you mix the two-part silicon rubber mold material, micro bubbles are introduced into the mixture. When you pour this mixture around your original part the bubbles will form imperfections in the mold itself. These imperfections will then show up in any part you make from the mold. To prevent this, Bruno hooks a vacuum pump to a large glass bottle that will hold the container of the silicon rubber mixture he wishes to use to make the mold. When the vacuum is applied to the mixture, the micro bubbles expand to about the size of a pea, and float to the surface. Once the bubbles have been extracted, you can use the mixture to make your mold.

Using a piece of poster board, Bruno fashioned a shallow box to hold the original part and the mixture of silicon rubber you will pour over it. In the process of pouring the mixture over the original part, additional bubbles may be introduced so the box containing the original part and the mixture is again placed in the glass bottle and a vacuum pulled on it. Again any bubbles that were introduced will expand and float to the surface. At this time, the box with the original part and the mixture is set aside to cure.

After the silicon mixture cures, it is pulled off the original part. It will not stick due to the waxed surface. The mold is highly flexible, so it can easily be removed from the original part even if the original part is very complex in shape.

Now it is time to mold a copy of the original part. The acrylic plastic is also a two part compound, but it sets up fairly quickly, about three minutes. You have to be very quick to get the acrylic-filled mold into the vacuum

## August 16, 2017 Jefco Aeromod'lers R/C Club Board Meeting Minutes

Meeting was called to order at 6:33 PM by Vice President Glenn Lee.

Peter Thompson(P), Present	Lora Knowlton (Treas), Absent	Ron Ratcliffe (BM), Present
Glenn Lee (VP), Present	Steve Rosselot (Safety), Present	Art Wilson (BM), Present
Larry Fagan (Sec), Present	Kevin Furman(BM), Present	Bud Glass (BM), Present

**President's Comments:** Glenn Lee stood in for President Thompson in his absence.

- **Member Survey** - Lora Knowlton reviewed the highlights of the member survey. Board members will be emailed the survey. The survey will soon be shared to the general membership via the website.

### Old/Unfinished Business:

- **FPV, Quad Racing, etc. Proposal/Policy** - Bud Glass has asked Tom Elliot to set up a meeting with Parks and Wildlife Manager Scott Roush. Bud will provide an update at the September meeting.
- **Starting Station, Site Rules Update** - Bud Glass has received quotes for two new tables on either side of the table on the north side of the taxiway. Kevin Furman will present a draft copy of the Site Rules Update at the next Board meeting that will take the new tables into account. A proposed diagram of the site layout will be published in the September newsletter.
- **New Field Sign** - Bud Glass had requested a proposal from a sign maker. Bud provided him with a copy of the sign standards but the process has been delayed due to unusual circumstances.
- **Email Blast Responsibility** - Lora Knowlton is the person who programs the email marketing software and creates the email blasts for members about the club and activities. Lora has trained Bud Glass on the system to serve as a backup when she's not available. Lora expressed concern that the club is sending out too many emails, too frequently and some members are 'unsubscribing'. She suggested that the club try to timely coordinate and consolidate news and info so to minimize the number of emails that are sent out to members.
- **Runway Funding** - The Board discussed the Club's obligation under the Jefco-Shea Homes MOU regarding seeking additional funding sources.
- **Name Badges** - Lora brought up a concern about the new badge system (originally proposed for activation on October 1). It will be date sensitive and will not sync with the current club's fiscal/budget year (October to September). Most current AMA memberships are on the calendar year, but AMA recently switched over to a 12 month year for new (not existing) memberships. In order to eliminate confusion over the overlapping dates, Lora made a recommendation for the board to

discuss changing the fiscal year to the calendar year. She researched the change with the accountant, and the club needs only to file a change form with the IRS, then file a short period Form 990 for October to December 2017, and then on an annual calendar year basis accordingly. The board discussed and agreed that this would be more efficient from a budgetary view and also a membership view. Kevin Furman researched the bylaws that there is nothing that would prevent the board from making this change. Lora then made a motion to change the current fiscal year from October 1 to September 30; to January 1 to December 1 to be more efficient and in line with our membership planning cycles and bylaws. Steve Rosselot seconded the motion and it passed unanimously.

### New Business:

- **Champs Race** - The Champs race that would replace the Mile-High Challenge Pylon Race next year was discussed. There is still a couple of hurdles to jump. The discussion turned to this year's race. It was felt that it was a great race in spite of the torrential rains on Saturday afternoon. The near real-time updates on each the pilot's status was really unique. Thanks to Terry Hock for his efforts design and enable this feature.
- **October Banquet** - A banquet to be held in October was discussed. No one stepped forward to coordinate it, so we will not have one this year.
- **Response to Taylor Thompson** - Taylor Thompson offered to replace a tent canopy that was damaged at the pylon race August 5 when a stiff wind and rain came through the Aerodrome. Glenn will write a letter for President Thompson's signature thanking him for his kind offer, but letting him know we don't feel that is necessary.
- **Concept of Offering Advertising** - An idea was tossed around about the possibility of offering advertising on the web site or in the newsletter. Art Wilson will send the Board an example he has seen. The subject is tabled for now.

**Secretary's Report:** Art Wilson motioned to accept the July 19, 2017, Board meeting minutes published in the July newsletter. The motion was seconded by Ron Ratcliffe and carried.

**Treasurer's Report:** Lora Knowlton went over the treasurer's report in great detail. She covered the field upgrades in great specificity. Kevin Furman motioned to

### **Program (Con't):**

chamber to remove the bubbles before the compound starts to cure. A nice thing about the acrylic plastic is that it is clear when you first mix it, but it turns white as it cures. Also, it does not stick to the silicon rubber mold before, during, or after the curing process. When the piece is entirely white, you know it is completely cured and can be removed from the mold.

Bruno completed all the steps as he explained the process so that we could see the actual mold being made and parts being duplicated. Bruno's presentation was far more detailed than this short account would tend to indicate. If you have any questions, contact Bruno directly. Bruno volunteered to give additional presentations, such as: how to make fiberglass molds, painting details, painting pilots, sliding canopies, electric sliding canopies, making rails for the sliding canopy, scale hinges, rivets, using aluminum tape to give the impression of an aluminum skin, etc. Please contact Larry Fagan if you'd like to see any of these presentations by Bruno.

Bruno's presentation was well-received.

**Secretary's Report:** Bud Glass motioned to accept the July 5, 2017, general meeting minutes as published in the August newsletter. The motion was seconded by Steve Rosselot and carried.

**Treasurer's Report:** Lora Knowlton gave the treasurer's report. Lora asked President Thompson to pass the detailed treasurer's information around for the membership's perusal. There were no questions. Larry Fagan made a motion to accept the treasurer's report as presented, and Terry Hock seconded it. The motion carried.

### **Committee Reports:**

- **Membership Report:** Lora Knowlton reported that we had 8 to 10 new members over the last couple of months.
- **Field Maintenance and Runways:** Bud Glass reported that 10 tons of gravel has been spread around the storage yard. He thanked Larry Bickel and Larry Fagan for their assistance in completing this chore.

Bud has requested bids for crack sealing the runways which will be scheduled to be completed before winter sets in. He is not planning on resealing the runway this year. Bud also reports that Paul McIntosh has provided new signs stating "pilots only beyond this point" to replace the old ones that have faded almost to the point of being unreadable. Bud expects to install them in the next couple of days.

Paul McIntosh is still trying to find someone in the Parks system that can grant us a variance on the sign

standards to allow for a larger airplane profile as part of the sign. The space allotted for graphics in the sign standard are so restrictive that you cannot decipher the graphic until you are extremely close to the sign.

A question was raised if we are going to have a sign posted for the field closure Friday, Saturday, and Sunday for the Mile-High Challenge. Bud stated that he will be putting the sign up shortly.

- **Safety:** Steve Rosselot - No Report.
- **Flight Training:** Bud Glass reports that all 5 of his students have soloed. President Thompson noted that we are still looking for trainers. Anyone interested in becoming a trainer should talk to him or Bud.
- **Events:** President Thompson stated that the Mile-High Challenge pylon race is this coming weekend, August 5 & 6.

Model Aviation Day is August 12th. Bud said that it will be an open house at the field. No lunch is planned. Bud stated it would be very ironic if the field was closed during Model Aviation Day, so he is not planning on closing the field for this event.

Paul McIntosh said the 2nd annual heli-fun fly "Rotors Over Denver" will be held August 26 & 27. It will be the same format as last year. Smiley Henderson has volunteered to cook for this event. He said at least two people are coming from out of state. In response to a question he stated that there will be a heli drag race again this year.

- **Programs:** Larry Fagan reported on future programs.
  - **September,** Chris Jackson "Commercial UAS Helicopter." Larry stated that Chris is a trainer for PULSE Aerospace. This is a very high-tech aircraft and should be an extremely interesting presentation.
  - **October,** To be announced. The October person may have to present in September in the event that Chris Jackson is suddenly called away. Larry does not have any additional programs lined up.

### **New Business:**

- **Nominations:** President Thompson turned the floor over to Kevin Furman, Nominating Committee chair. All officer positions are open each year - President, Vice President, Treasurer, Secretary and Safety Officer. Kevin reports that all incumbents have volunteered to serve another term. This would be Peter Thompson, Glenn Lee, Lora Knowlton, Larry Fagan and Steve Rosselot respectively. One board member-at-large opens this year. Bud Glass is the incumbent and has also volunteered to run again. Kevin then invited nominations from the floor as required by the Club's By-Laws. There were no nominations from the floor, so nominations were closed and Kevin turned the floor back over to President Thompson who announced that

## August 2, 2017 Jefco Aeromod'lers R/C Club Business Meeting Minutes (Con't)

### Nominations (Con't):

the vote will take place at the next general meeting in September.

- **Long Range Planning Committee (LRPC):** John Park reports that the LRPC met with Shea Homes at the Aerodrome. John says that everything is on schedule as previously described. Shea will submit their final plan to the commissioners in a few months. The final plan shows a significant buffer around the extension of the new runway. They are still planning to start construction in 2019. Shea homes suggested that the Club get with their PR department to make sure we start off on the right foot with the new homeowners.

**Electric Arming Tables:** We are planning on putting in two more arming tables, one on either side of the existing arming table on the north side of the taxiway. Bud has concrete bids from Ernie who installed the taxiway. Bill Zimmerman has volunteered to get the plans out for the table's steel work and have it fabricated by the company he used to own. Bud thanked Bill in his absence for volunteering to do this for the Club.

**Show and Tell:** Bud Glass showed his modified apprentice with a camera and GPS mounted in the middle of the top of the wing. The camera was set up to look forward in a stationary position. He also showed his economical EACHINE goggles that have a high performance vs price ratio.

**Drawing:** Dave Hock performed drawing duties tonight. He presented a Radian XL procured from HobbyTown in Parker. It was a single item drawing. Dave had Doug McCain draw the winning ticket which was purchased by Bud Glass.

**MOTION to ADJOURN:** The meeting was adjourned at 8:42 pm.

Respectfully submitted, Larry Fagan, Secretary

Vote  Vote

### Elections will be held at the September Business Meeting. The Candidates are:

President	Peter Thompson
Vice President	Glenn Lee
Treasurer	Lora Knowlton
Secretary	Larry Fagan
Safety Officer	Steve Rosselot
Board Member-at-Large	Bud Glass

## August 16, 2017 Jefco Aeromod'lers R/C Club Board Meeting Minutes (Con't)

**Treasurer's Report(Con't):** accept the treasurer's report and it was seconded by Art Wilson. The motion carried.

### Committee Reports:

- **Membership Report:** Lora Knowlton reported we have 202 active members and 18 life members.
- **Field Maintenance & Runways:** Bud Glass reports we will mow one more time this year.
- **Safety:** Steve Rosselot will send Larry Fagan an article to be published in the newsletter under the heading "Safety Corner".
- **Flight Instruction / Training:** Bud Glass reports he is still working on getting a first cut/outline of the instructor's training program.
- **Events:**
  - **Aviation Day** - The event was cancelled due to a lack of advertising and attendance.
  - **Heli Fun-Fly** - The second annual Heli Fun-Fly will be held August 26 and 27. Paul McIntosh will run the event again this year.
- **Programs:**
  - **September** - Chris Jackson, Pulse Aeronautics - Commercial UAS Helicopter. In the event Chris is called away, Bud Glass' excellent video about the 2017 pylon race will be shown.
  - **October:** To be announced.

**Motion to Adjourn:** A motion to adjourn the meeting was made by Art Wilson. It was seconded by Steve Rosselot. The meeting was adjourned at 8:40 P.M.

Respectfully submitted, Larry Fagan, Secretary.

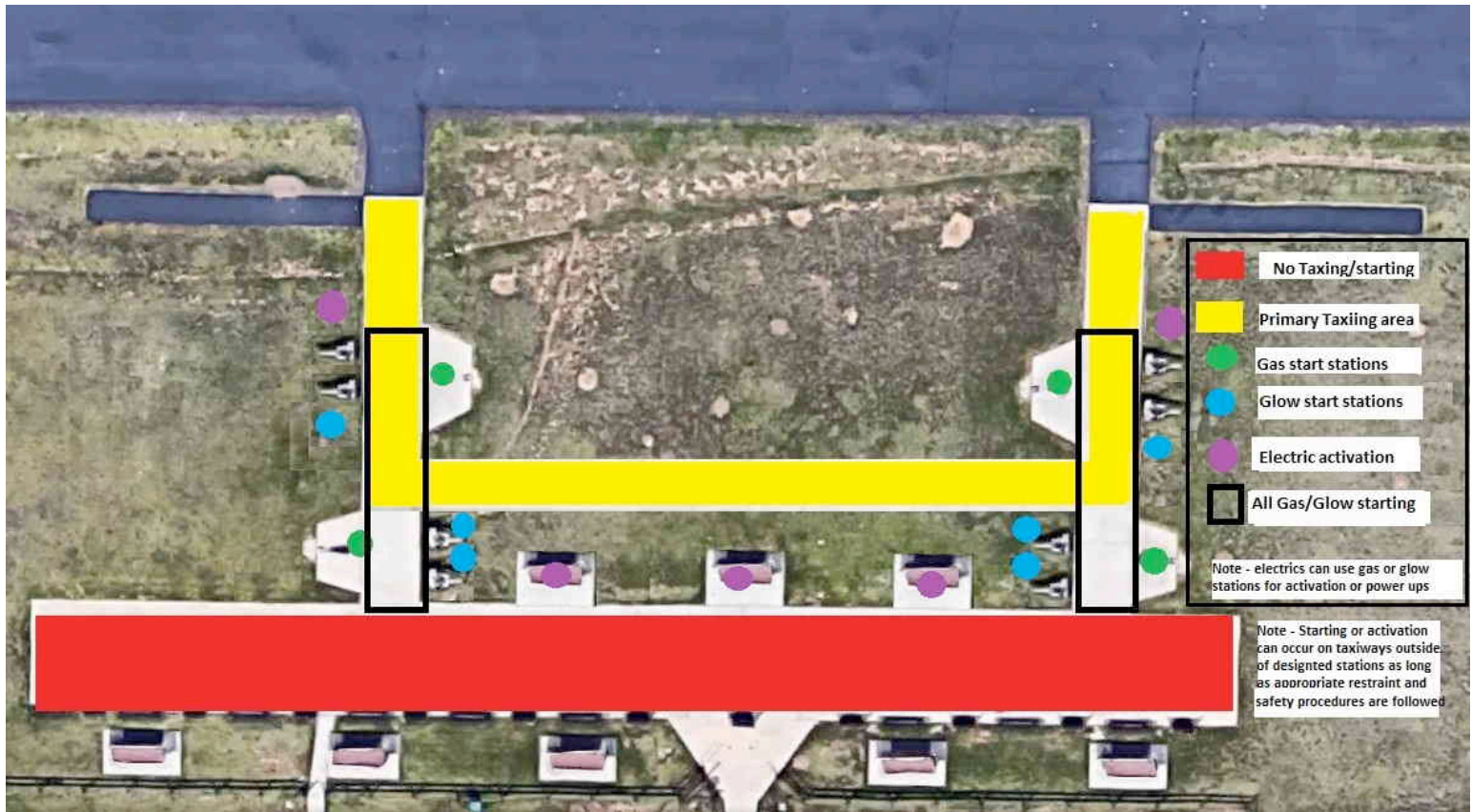
### Safety Corner submitted by Steve Rosselot

#### AMA FLYING SITE SAFETY RULES

1. Deliberate flying behind the safety line is prohibited.
2. **Taxiing is not allowed in the pit area.**
3. It is strongly recommended that members do not fly alone.
4. Children should **not** be permitted beyond the spectator area unless under the **direct** supervision of an adult or under flight instruction.
5. The established club frequency control plan will be in force at all times.
6. Helicopter flights are allowed in designated areas only.
7. Direction of flight is determined by the wind direction, etc.
8. Flight operations will stop during electrical storms.
9. Models will fly only in predesignated areas, and will yield right-of-way to full-size aircraft.

**For Jeffco Aerodrome specific rules check out the Kiosk!**

## Miscellaneous



Proposed diagram of the site layout as referred to in the August 16 Board of Directors minutes.



Bud is very proud of his two newest students, Madison 10 & Kameron 12. (Smiley Henderson's kids). Madison is pictured flying by herself with no buddy box and is looking forward to her first RC airplane. Dad & Bud are going to fix her up with a custom pink Apprentice. Kameron gets one too, but he says his will have a "more manly" paint job.

## Mile-High Challenge Pylon Racing Photos



## More Mile-High Challenge Pylon Racing Photos



**Thanks to Colorado Golf & Turf for Use of Their Golf Cart at The Mile-High Challenge.**



## ***Rotors Over Denver Heli Fun-Fly held August 26 and 27***



Heli's in shade



Its a family affair



Prizes, prizes, prizes



Spool her up



Liftoff



And away we go



Ayran McIntosh serves lunch



Smiley Henderson cooks ribs



Leo pitches in



Let's drag!



Setup for the drag race



Takeoff



On deck for the drag races



Setting up  
10



They're off again

## Pictures from the General Meeting Photos by Bud Glass



Left, new member Doug McCain introduces himself.

Right, Bruno Mars mixes silicon mold compound.

Below left, Bruno pours silicon mold compound over his original parts.



Below, Paul McIntosh talks about the upcoming "Rotors Over Denver" as Charlie Harris and Tony Christensen listens in.



Above, Bruno puts the entire unit with the uncured silicon into the jar he uses as a vacuum chamber.

Left, the tiny bubbles in the silicon expand and come to the surface insuring a very accurate mold.



## Drawing at the General Meeting



This month's drawing duties were handled by Dave Hock. Prize from HobbyTown in Parker.



The single prize was a Radian XL won by Bud Glass which really surprised President Thompson, background.

**The Jefco Flyer**  
**Larry Fagan, Editor**  
**4881 S Arbutus St.**  
**Morrison, CO 80465**



A pylon pilot with her plane and radio.

September 2017		October 2017		November 2017	
6	Business Meeting - Elections	4	Business Meeting	1	Business Meeting
20	Board Meeting	18	Board Meeting	15	Board Meeting

**Business meetings: First Wed. night of each month. Meetings are called to order at 07:00 P.M, programs to follow, at the Alice Terry Elementary School at 4485 S. Irving Street, (located approximately 1/4 mile away from the previous middle school location). Board meetings are held the third Wed. night of each month, 07:00 P.M. If you wish to attend, contact President Peter Thompson in advance.**

*The BOD has approved the **Field Safety & Operations Manual**. All members should review this document in the club's website [www.jeffcoeromodlers.com](http://www.jeffcoeromodlers.com) for the latest rules and regulations.*

**Views and or opinions expressed in this newsletter are those of the editor, staff, and writers of articles submitted. They may or may not be those of the Jefco membership, club officers, or board members.**