Denver R/C Club Meeting Minutes
February 17, 2016

Club Meeting Minutes Submitted by:
Seth Rice, Secretary

Time/Date:
6:32 PM / Wednesday, February 17, 2016

Location:
Colpar’s Hobby Town, 1915 South Havana Street, Aurora, Colorado, 80014

Call to Order:
A regular meeting of the Denver R/C Eagles was held. Refreshments of deli meats, cheese, crackers, beverages, cookies, and cake were served at 6:00 PM.

The meeting was called to order by Jack Steinhauser at 6:32 PM.

Board Members in attendance:
Jack Steinhauser, President
Dan Kellogg, Vice President
Seth Rice, Secretary
John Dickens, Treasurer
Bob Pash, Safety Officer

Seth Buxton, Director of Airfield Maintenance

Total members present: 21, we have a quorum.

Welcome Visitors & New Members:

Review and Approve Previous Meeting Minutes:
The 01/20/15 minutes were approved as written. Motion from Bob, and Second from Eric. The motion was passed.

President’s Opening Remarks
Jack Steinhauser reviewed the meeting agenda with the members. Then handed it off to our guest speakers from

Continued on Page 4

Message from President Jack Steinhauser

As an alternative to flying RC models, I took a flight in a Cessna 172 yesterday with two friends who are both excellent pilots. We had intended an overnighter to Liberal, Kansas to visit the Mid-America Air Museum. After a landing into twenty-five mph headwinds at Lamar Airport, and report of marginal weather at Liberal, we replotted our course to Pueblo. At Pueblo Airport we had lunch at their new café (not recommended), and visited the Pueblo Weisbrod Air Museum. When the museum closed, climbed back aboard the Cessna and flew back to Centennial.

The trip by small plane and visit to an Air Museum was a great opportunity to reflect on my love of aviation in general, and radio-controlled flying in specific.

Four hours aloft in the rear of a small, but sophisticated aircraft; with two expert pilots in the front, and getting to listen and participate on all the communications is a special treat. Most humans spend their entire lives at ground level; with occasional jaunts to the stratosphere aboard a crowded airliner travelling at 300-500 mph. Cruising along at 115 mph at 1,500 to 2,500 feet above ground level is a very useful perspective. Homes, towns, roads,
DENVER R/C EAGLES
2016 ANNUAL EVENTS CALENDAR
Effective February 14, 2016

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>BBQ</th>
<th>Time of Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/13/2016</td>
<td>DRCE Board Meeting</td>
<td>BBQ</td>
<td>6:30 - 8:00 p.m.</td>
<td>Village Inn</td>
</tr>
<tr>
<td>1/20/2016</td>
<td>January Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>2/17/2016</td>
<td>February Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>3/16/2016</td>
<td>March Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>4/16/2016</td>
<td>April Maintenance Day</td>
<td></td>
<td>8:30 to 10:00 a.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>4/20/2016</td>
<td>April Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>5/14/2016</td>
<td>May Maintenance Day</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>6/15/2016</td>
<td>June Club Meeting</td>
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<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>6/18/2016</td>
<td>June Air Show</td>
<td>BBQ</td>
<td>10:00 a.m. to 12:30 p.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>6/30/2016</td>
<td>June BBQ and Evening Flying</td>
<td>BBQ</td>
<td>6:00 - 9:30 p.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>7/16/2016</td>
<td>July Maintenance Day</td>
<td></td>
<td>8:30 to 10:30 a.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>7/20/2016</td>
<td>July Club Meeting</td>
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<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>7/28/2016</td>
<td>July BBQ and Evening Flying</td>
<td>BBQ</td>
<td>6:00 - 9:30 p.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>8/13/2016</td>
<td>August Maintenance Day</td>
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<td>8:30 to 10:30 a.m.</td>
<td>Suhaka Field</td>
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<td>8/17/2016</td>
<td>August Club Meeting</td>
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<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<tr>
<td>9/17/2016</td>
<td>September Maintenance Day</td>
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<td>8:30 to 10:30 a.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>9/21/2016</td>
<td>September Club Meeting</td>
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<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<td>9/24/2016</td>
<td>September Air Show</td>
<td>BBQ</td>
<td>10:00 a.m. to 12:30 p.m.</td>
<td>Suhaka Field</td>
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<tr>
<td>10/15/2016</td>
<td>October Fun Fly</td>
<td>BBQ</td>
<td>9:30 a.m. - 12:30 p.m.</td>
<td>Suhaka Field</td>
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<td>10/19/2016</td>
<td>October Club Meeting</td>
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<td>Colpar Hobbies</td>
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<tr>
<td>10/27/2016</td>
<td>End-of-Year Awards Dinner</td>
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<td>5:30 - 8:30 p.m.</td>
<td>Athenian Restarant</td>
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<tr>
<td>11/16/2016</td>
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<td>Colpar Hobbies</td>
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<tr>
<td>12/21/2016</td>
<td>December Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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Club Elected Officers

President
Jack Steinhauser
303-324-5054 jacksteinhauser@comcast.net

Newsletter Editor
303-324-5054 jacksteinhauser@comcast.net

Vice President
Dan Kellogg
d-Kellogg@comcast.net

Treasurer
John Dickens
Director - Flight Training
303-617-6044 jcdickens68@hotmail.com

Secretary
Seth Rice
303-921-6018 sethrice@gmail.com

Safety Officer
Bob Pash
303-751-0493 rpashmd@hotmail.com

Field Maintenance Officer
Seth Buxton
seth3@hotmail.com

Appointed Positions

DRCE Member-At-Large
Eric Sunderwirth
303-719-0973 eric_346@msn.com

Chief Flight Instructor
Richard “Doc” Hamilton
303-781-5959 rham@msn.com

Director – Helicopter Operations
Stephen Lantz
303-400-9799 stephenlantz@comcast.net

Web Master
Marty Miller
303-369-6177 moonlightdesign@qwestoffice.net

Master Chef
Joe Bolognese
303-810-8086 JBolo@comcast.net
DRCE Meeting Minutes (continued from page 1)

the Boy Scouts of America.

Guest Speakers

June Wed 22nd Boy Scouts Camp Demo. Details found in the brochure.

Kara Plehn, and Michelle Crystal came and spoke to the members about an opportunity to fly their RC planes at a Boy Scout Camp event this summer in Sedalia. Food will be provided for anyone who volunteers. There will be two main groups, with multiple sub groups.

Cub Scouts (6 groups of 60 boys, 8 or 9 years old)

Webelos (Smaller groups as there are fewer expected to attend, 10 years old)

They need 2 to 4 volunteers per group to help with the 35-minute time slots. The first 15 minutes for information so they can see what they have been learning all weekend. Then the remaining time for one of the DRCE volunteers to fly, and another to speak about the flight until the end of the time slot.

It was discussed that hand launch electric airplanes (sail planes, pusher jets) and rotorcraft should be used since there isn’t really a paved runway. They also mentioned they would like to have some bigger planes setup on tables, in a roped off area so they can see the variety of RC planes.

There is a Youth Protection course they need to take online that’s a 15 minute course. Then to fill out an emergency contact form. More details can be found on their website, and brochure.

Both age groups will be running at the same time, and will be in separate but possibly adjacent areas. There was also talk of possibly doing a buddy box setup for the older boys (Webelos) where the plane could be in the air, and we could cycle a line of kids through to fly for a minute or two at a time before handing the buddy box off to the next kid. They are looking for possibly 10 volunteers, though the more the merrier.

Ron talked about previous events referencing the one that was done at the old folks home as well.

Adam to discuss improvements with rotorcraft area.

Officer’s and Director’s Reports

President’s Report

Jack Steinhauser reminded members to take part in Membership Renewals via the website.

Wings over the Rockies event canceled for this weekend,
but it may be tied to another event in April.

Jack wanted to also bring up a process of creating workdays each month with a 1 hr time slot in the morning at perhaps 8:30, to help keep the area clean, maintained and in great shape.

Vice President’s Report

Dan Kellogg gave an introduction to the club and told us about some of the aircrafts he enjoys flying.

Secretary Report

Seth Rice had nothing to report.

Treasurer’s Report and Director of Flight Training Report

John Dickens reported 150 members – 78 paid up for 2016.

10% fewer than this time last year have paid membership dues.

John spoke of the a Bonding Agreement – Insurance, for the club’s funds, which protects the club if the Treasure or President (who are in charge of the funds) happen to go missing, commit fraud, or become unable to fulfill their duties for the club. This is renewed annual in May, and will be done again this year. The Insurance is also established by the role of the two board members, and not by name. If needed, club board members could move someone new into these roles to fulfill a claim. So no need, club finance wise, to worry about Jack and John driving to an AMA event in the same car on an icy road, or riding in the same elevator.

Mentioned book ‘Flyboys’ by James Bradley, and encouraged members to pass it around.

Safety Officer’s Report

Bob Pash was absent.

Director – Airfield Maintenance

Seth Buxton had nothing to report. He asked Sid to briefly go over the runway expenditures and concerns regarding FAA and AMA agreements. He suggests obtaining shade shelters that can be picked up and moved if needed. He was asked when he thinks the runway will need to be replaced outright, and said he wasn’t sure. Joe ask if he felt it was in better or worse condition than 5 years ago when they were told they should expect to replace it soon. He said he feels it’s in better condition now than 5 years ago, due to the maintenance and resurfacing in recent years. Bob suggested we do a seal coat and crack fill in the spring. They suggested due to temperature limitations, they need the air to remain at 70-75 degrees consistently to ensure maintenance operations are ideal.

Joe discussed for shade shelters for supports using 10 caissons. Or footers, 21 ft long and 1 ft square that would be poured with cement. Materials with caissons looking at $400 with time to put it up. Also discussed runway maintenance and said we need to ensure we would fill cracks and reseal as needed. Also made the point not to drive vehicles on the runway as that will destroy it, and the vehicle will sink.
Member at Large

Eric Sunderwirth reported trash was not being picked up by the park service.

Director of Membership

Empty Seat

Events

None

Old & New Business

Jim Miller new member just bought his first plane recently and is excited to get into things.

Adam gave a presentation on the new rotorcraft area based on the proposal that was given at last month’s meeting. Jack called for a motion to approve the proposal. Bob made the motion, and Joe second the motion to approve the approval as written. The motion approved unanimously. The next steps will be to take this proposal to the park service to get their approval.

Jack mentioned that there is an open seat for the membership role. This role is to help great new members into the club.

Joe B. showed the new hats and some coats.

Show & Tell

Bob showed his airplane with all the modifications he’s made on it.

Sid showed us different methods for using fiberglass by its self, with balsa, and with various types of foam. To help strengthen materials as needed. He suggested folk’s check out sidgates.us to see some of the things he’s created.

Auction

No Auction Items

Donation Table

Several items were on the table and were picked up, including small electric motors, props, fuel tanks and other odds and ends.

Next Meeting

The next meeting will be March 16, 2016 at Colpar Hobbies.

Adjournment

Meeting was adjourned at 8:49 P.M.
Minutes of DRCE Board Meeting held Thursday, March 10, 2016

Board Meeting Minutes Submitted by: Seth Rice, Secretary

Time/Date: 6:15 PM / Thursday, March 10th, 2016

Location: Village Inn Restaurant at Arapahoe Crossing, 6370 South Parker Road, Aurora, CO 80016.

Meeting Objectives:
The Second board meeting of 2016 for the Denver R/C Eagles to review, modify as necessary, the proposal for the Rotorcraft Area Expansion.

Board Members in attendance:
Jack Steinhauser, President
Seth Rice, Secretary
John Dickens, Treasurer
Stephen Lantz, Director of Helicopter Operations
Sid Gates, Chairman Emeritus

Review of DRCE 2016 Draft Plan:
Discussed meeting today with Claudia at the park. She stated that to avoid creating another ‘social path’ near the area, we should move our flight light about 10 feet east of it’s currently proposed position. Claudia requested we stake off the area prior to mowing so the park can approve it prior to mowing.

The park green lit the proposal for approval. So it’s just a matter of making sure we proceed step by step with the park service to assure things are being setup properly.

Items to take care of in March:
- Stake off the new area
- Mow the new area down

Discussed adding walking paths to the fixed wing area to the pilot boxes:
- Discussed raising a 4 inch path way and the pilot boxes, though it creates a trip hazard

Discussed drainage options

For rotorcraft area after March:
Dig out 6 inch deep by, 30 inches wide to lay down the sub footing for the path with ‘crusher fines’
Will present the budget info John went over with us, and emailed us at the meeting next week.

Sid spoke of our Turbine / Jet policy:

Sid proposed we remove the informal rule to prohibiting a turbine engine at the field. Turbine pilots are to have an AMA Turbine certification.

Meeting was adjourned at 7:03 p.m.

Board of Director’s Meeting
lakes and rivers are laid out in a geometric mosaic.

I recall reading about the adventurers of early aviators that barnstormed around the country in rickety biplanes; offering rides for $5 and relying on the good will of local farmers to provide a landing strip and place to tie down at night. Those early aviators, filled with enthusiasm for their craft and ability to lift people above a ground level perspective, were the travelling magicians of their time.

The Pueblo Airport is actually a World-War-II era base where pilots were trained in heavy bombers, especially the B-24. As we departed the airport last evening I could see that the two active runways were part of a more ancient triangle of runways that is the hallmark of WWII air bases. That third runway is still visible, but is faded to the color of the surrounding landscape, and filled with weed-infested cracks.

The Pueblo Wiesbrod museum is located in two large aircraft hangers and an enclosed yard. For a guy like me who grew up learning the planes and models of fighters and bombers from WWII to Vietnam, the museum is the equivalent of a cheeseburger, fries, and a chocolate milkshake. Some of the most impressive aircraft to me, of the approximately 30 on display, were the Boeing B-29 Superfortress, the Boeing B-47 Stratojet, Fairchild C-119 Flying Boxcar, Lockheed F-104 Starfighter, and the Grumman F9F-6 Cougar. I confirmed my previous belief that the F9G Panther and Cougar are some of the most elegant jet fighters ever designed. Truly inspired lines.

Seeing all these planes in one place also reinforced an appreciation for the hobby of radio controlled airplanes. The number of people that actually flew the aircraft displayed at Pueblo are relatively few. The effort and expense of putting most military aircraft in the air is beyond the capability of the typical civilian. However, those same very ordinary people can become super pilots in the realm of RC. Just about any plane they can dream of or imagine. I have built planes from scratch using balsa, plywood, foam, glue, and covering material representing advanced jet fighters like the SU-37, F-22, and Mig 29.

Many planes that are scale models of famous military and civilian planes are available in “almost-ready-to-fly”
9 kits that require anywhere from an hour to a week to assemble. A capable pilot can have models representing fighters from any of the major conflicts of the twentieth century, or biplanes from the Golden Age of Aviation, or state-of-the-art composite aircraft in the air within days of a Fedex delivery.

The explosion of technology and availability of ARF models of every type imaginable today makes the hobby of radio-controlled aircraft one of mind-blowing proportions. For someone like me, who is fascinated by a wide variety of flying objects, it has been an opportunity to build up a large fleet of actual flying model aircraft. At last count I have about 20 electric aircraft and 4 gas aircraft. A quick peek at my basement is like looking at a mini-museum of mostly scale models of actual aircraft.

Negotiations with Cherry Creek State Park

Sid Gates and I recently completed a series of negotiations with Tim Metzger, Manager of CCSP, regarding the expansion of the Rotorcraft Area proposed by members Adam Small and Steve Lantz. As a result of these discussions, the Park has agreed to allow us to expand the facility into a 50x250 foot area (12,500 square feet). This expanded facility will host up to five active pilots along a north-south line of pilot stations. This will also active pilots to better utilize the designated rotorcraft airspace, and reduce the need to fly aircraft into the sun during midday.

The concerns of the Park regarding this proposed expansion centered around the obvious popularity of quadcopters as a way for large numbers of the public to enter the hobby. Unlike fixed wing aircraft, which typically require years of practice to achieve competency, a typical quadcopter has enough stabilization functionality built in to allow a ten-year-old child to achieve basic piloting competency in a couple hours of practice.

Tim Metzger was basically asking the question of whether approving an expanded rotorcraft facility would be the tip of the iceberg of further expansion requests driven by the popularity of the hobby. Sid and I expressed the opinion that this would not be the case. Yes, we expect to see many people acquire mostly toy-like quad copters, but a far fewer number to become true hobbyists that would graduate to building their own models, and exploring the depth of possibilities offered by quadcopters beyond basic flight maneuvers. FPV flying, aerial photography, and quad racing are but some of the more advanced activities being currently pursued by club members.

Plans for Facilities Improvements

The Park has approved the expansion of the Rotorcraft Area to a 50x250 rectangle, the mowing of that area, and the installation of paths, and pads for pilots and staging areas, made with “grey breeze” crushed fines. These paths are constructed by excavating six inches of soil, laying down a weed block material, then filling in with the crushed fines. The fines material will compact into a hard and resilient walking surface that remains solid even in periods of heavy rain.

On March 10, Stephen Lantz and I met with Park Resource Technician Claudia Mead to agree on the placement of the expanded Rotorcraft Area. Claudia made some useful suggestions that will be incorporated into our development plan.

We are also planning to install fines paths in the main pilot station area at the southeast intersection of our north-south, and east-west runways. The series of paths leading to and between individual pilot stations from the taxiways and runways is shown on the following page.

The other improvement to the main pilot station area will be the installation of a “pilot protection fence” made from the same rail fence materials currently in use at that area, with the addition of a Park-approved wire mesh to block errant aircraft from running into the lower legs of pilots.

As I have expressed many times to my fellow club members, my basic goals for the club are to have fun and stay safe. Keeping all our pilots protected from injury by an errant aircraft is a good idea whose time has come.

The other item we had proposed to the Park for the Rotorcraft Area and Fixed Wing Area was the installation of
two 20x20 shade shelters, one for each area.

Tim Metzger is supportive of the idea of adding more shade shelters, but must adhere to the rule that such structures meet the requirements of the U.S. Army Corps of Engineers. The land at Cherry Creek State Park is actually owned by the Federal Government and leased to Colorado State Parks under the aegis of the USACE. He is going to explore with the representatives of USACE coming up with a cost-efficient solution for the DRCE to purchase and install shade shelters as we have requested.

Maintenance Plans

The Board of Directors of the DRCE met on Thursday, March 10, 2016, to discuss plans for maintenance of Suhaka Field in 2016.

The Board had already agreed on monthly maintenance days on April 16, May 14, June 11, July 16, August 13, and September 17. These maintenance days are scheduled at 8:30 a.m. on the second Saturday of each month to allow all club members to participate in maintaining a well-manicured facility at Suhaka Field. It is the hope of the Board that ten to twenty members will show up to each of these events, and spend an hour or less doing such tasks as basic repairs, mowing, trimming, painting, and trash policing. An hour a month seems like a reasonable volunteer request in exchange for having one of the nicest R/C flying fields in the Rocky Mountain region.

We also anticipate several facilities improvement days that will likely be scheduled during the week so as not to interfere with weekend flying. These facilities improvement days will include the following activities:

1. Mowing of Rotorcraft Area approved rectangle.
2. Installation of fines paths and pads at the Rotorcraft Area.
3. Installation of fines paths at the Fixed Wing main pilot pad area.
4. Installation of pilot protective barrier at Fixed Wing main pilot pad area.
5. Installation of permanent shade shelter at Rotorcraft Area.
6. Installation of permanent shade shelter at Fixed Wing viewing area.

As discussed by Joe Apice at our last club meeting, the installation of permanent shade shelters will require the installation of cement pads or anchor blocks that the shelter will be secured to. It is my belief, expressed at the last club meeting, that the club should pay for professional help from licensed and bonded contractors when we get into this level of complexity rather than rely on volunteer help from our members.

Saturday Flying Groups

One idea that I want to run by all members and discuss at the next meeting is that of having Saturday Flying Groups starting in April. This idea is an evolution of the experiment we had last year with Sunday Flying Groups.

The basic idea is to provide members with a calendar of group flying events during every month. For example, the first Saturday is Biplane Saturday, the second is Warbird Saturday, and the third is Jet Saturday. These group flying events will be an opportunity for members that enjoy flying certain types of aircraft with other pilots to anticipate which aircraft to bring to the field on a certain Saturday.

For myself, the experience of flying warbirds or jets in formation or mock combat with other pilots of good ability is one of the most fun things about this hobby. Flying formation requires great piloting skills, high situational awareness, and quick reactions to get out of trouble. Formations looks best when the maneuvers are very smooth, appearing effortless and graceful. Timing is critical, as is cooperation. Last summer Rob Ihly and I spend hours preparing a formation flying exhibition for several airshows. He flew lead and called the timing of each maneuver, I flew wing and had to match his aircraft in speed, position and execution of each maneuver.
Planned Improvements to Fixed Wing Area Main Pilot Stations

Existing Pilot Stations

Grey Crusher Fine Wallways

Pilot Protection Barrier Fence

Existing Fence

Denver R/C Eagles Flying Club

Proposed 2016 Improvements to
Main Pilot Stations
Fixed Wing Flying Area
Prepared by ISS on 03/14/16

Main Pilot Stations in Fixed Wing Area
President’s Message (continued from page 11)

Blessing
Finally I would like to offer each of our members a special blessing as we head into another flying season:

I wish for each of you that the experience of flying radio controlled models at Suhaka Field in 2016 is inspiring and enjoyable.

May each of your flights allow you to demonstrate your increasing skill at flying model aircraft, and may fewer of those flights result in crashes as you get better.

I hope that the opportunity you have to meet and spend time with fellow pilots will result in many hours of amicable time together, leading to new friendships, some of them lasting a lifetime.

I expect that you will spend many hours of gloriously concentrated and creative time working on building and repairing planes. May this concentrated creative time provide you a respite from the hassles and frustrations of ordinary life.

Finally, may the joy you derive from engaging in our incredible hobby bring a glow to your life that spreads to family, friends and co-workers as you share your passion and happiness with them.

Sincerely,

Jack Steinhauser
President, Denver R/C Eagles Club
Maiden Flight of Jack Steinhauser’s F-100 Super Sabre
Flying at Suhaka Field, February 21, 2016
Dan Kellogg FMS P-51D
Cam Lawson Douglas SBD Dauntless
Flying at Suhaka, February 26, 2016
Flying at Suhaka, February 27, 2016
Flying at Suhaka, February 27, 2016
Flying at Suhaka, March 10, 2016
Maiden Flight of Jack Steinhauser’s Albatross D.Va on March 11, 2016