The Official Newsletter of the Denver R/C Eagles Club

September 2015

Message from President Jack Steinhauser

Labor Day was a perfect day for flying at Suhaka Field. There were clouds to filter the sun, but no rain. Winds were mild, and mostly down the main runway from the north. Temperatures lingered in the 70s, cresting at 80 degrees Fahrenheit at 3:00 p.m.

It was a glorious day to be flying at Suhaka, and I spent four hours basking in it, flying my fast Rebel Jet (clocked at 130 mph), the Dynam Me-262 “Schwalbe” (Swallow) jet, and my DLE-20 powered Aeroworks Extra 300. Three extraordinary aircraft, each with their own superlative strengths.

The Rebel exceeds at fast passes down the runway followed by exhilarating climbs, and big vertical maneuvers.

The Schwalbe’s great virtue as a bomber destroyer during the latter days of World War II came from the speed advantage generated by its turbojet engines. Speed that could be used to fly past fighter screens and drop in behind the B-17s and B-24s to deliver punishing blows from its four 37mm cannon. My Schwalbe looks fabulous chasing Allied warbirds like Cam Lawson’s Mustang around the

Denver R/C Club Meeting Minutes

August 19, 2015

Meeting minutes submitted by John Dickens, Secretary.

A regular meeting of the Denver R/C Eagles was held on Wednesday, August 19th, 2015 at Colpar’s Hobby Town, 1915 South Havana Street, Aurora, Colorado, 80014. Refreshments of chips, dips, beverages, and cakes were served at 6:00 PM.

Call to Order

The meeting was called to order by Joe Bolognese at 6:30 PM. Board Members in attendance: Joe Bolognese, Vice President; John Dickens, Secretary; and Eric Sunderwirth, Safety Officer. Jack Steinhauser, President, and Sid Gates, Treasurer, were absent. Total members present: 17, we have a quorum.

Welcome Visitors & New Members

Cam Lawson’s Gander Mountain friend, George McCray, introduced himself as a visitor to the club. Many years ago he tried to teach himself how to fly when he was at Mather AFB in Sacramento CA. He is considering getting back into the hobby.

Manuel Barnett introduced himself. He was always interested in model airplanes but did not have the time and money for the hobby. He worked in construction and electrical installation. Manuel is now semi-retired and will soon receive flying lessons from John Dickens.

Review and Approve Previous Meeting Minutes

The 07/15/15 minutes were approved as written.

President’s Opening Remarks

Since Jack Steinhauser was absent, Joe Bolognese reviewed the meeting agenda with the members.

September Events

Wednesday, September 16 — August Club Meeting 6:30 p.m. to 8:00 p.m. at Colpar Hobbies. Speakers will be Chuck Browitt and Rick Quast talking about FPV Racing Quads.

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<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>BBQ</th>
<th>Time of Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>1/14/2015</td>
<td>DRCE Board Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Perfect Landing</td>
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<td>1/21/2015</td>
<td>January Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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<td>2/18/2015</td>
<td>February Club Meeting</td>
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<td>2/21/2015</td>
<td>Aeromodeling at the Hanger</td>
<td>BBQ</td>
<td>10:00 - 4:00 p.m.</td>
<td>Wings over Rockies</td>
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<td>3/18/2015</td>
<td>March Club Meeting</td>
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<td>4/11/2015</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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<td>4/15/2015</td>
<td>April Club Meeting</td>
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<td>6:30 - 8:00 p.m.</td>
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<td>5/16/2015</td>
<td>May Maintenance Day</td>
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<td>8:30 to 10:00 a.m.</td>
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<td>May Club Meeting</td>
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<td>6/13/2015</td>
<td>June Club Meeting</td>
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<td>8:30 to 10:00 a.m.</td>
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<td>June Maintenance Day</td>
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<td>6/20/2015</td>
<td>June Air Show</td>
<td>BBQ</td>
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<td>June BBQ and Evening Flying</td>
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<td>8:30 to 10:30 a.m.</td>
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<td>7/18/2015</td>
<td>July Air Show</td>
<td>BBQ</td>
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<td>Suhaka Field</td>
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<td>July BBQ and Evening Flying</td>
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<td>Suhaka Field</td>
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<td>8/22/2015</td>
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<td>Suhaka Field</td>
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<td>8/27/2015</td>
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<td>10/29/2015</td>
<td>End-of-Year Dinner Party</td>
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<td>TBD</td>
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<td>November Club Meeting</td>
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<td>December Club Meeting</td>
<td></td>
<td>6:30 - 8:00 p.m.</td>
<td>Colpar Hobbies</td>
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Denver R/C Eagles Club Leadership

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

Vice President
Joe Bolognese
303-810-6086
JBolo@comcast.net

Secretary
John Dickens
Director - Flight Training
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jcdickens68@hotmail.com

Treasurer
Sid Gates
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Safety Officer
Eric Sunderwirth
303-719-0973
eric_346@msn.com

Appointed Positions

Director - Airfield Maintenance
Bob Brelsford
303-340-1025
Brelsford@comcast.net

Director - Special Projects
Joe Apice
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Chief Flight Instructor
Richard “Doc” Hamilton
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r1ham@msn.com

Director – Helicopter Operations
Stephen Lantz
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Web Master
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moonlightdesign@qwestoffice.net

DRCE Member-At-Large
Bob Pash
303-751-0493
RPashMD@yahoo.com

Director—Public Relations and Outreach
Ron Cox
317-410-2587
w9kfb1@mac.com

Director—Membership
Seth Buxton
720-722-3080
setht3@hotmail.com
Guest Speaker

Bill Morz showed a 15 minute video of our July 18th Airshow. The video will be made available to members once Bill changes the format and sends the video to Jack.

Officer’s and Director’s Reports

President’s Report
No report.

Vice President’s Report

Joe Bolognese reviewed the plan for this week’s airshow. Bob Brelsford will be the Air Boss and he will let the pilots in the airshow decide if more than 5 airplanes should fly at one time. Garry Gillis will fly his 3D airplane.

Joe reviewed the prairie dog problem. Bob Brelsford reported that the Park staff did extensive work at the airfield this morning which included filling the prairie dog holes around the airfield.

Joe will not be able to attend the August 27th barbeque. He requested and received volunteers help cook at the event.

Secretary’s Report

John Dickens described some of the items on the Donation Table. The auction items were donated by club member, Doug Semon. Yesterday, John helped the Explorer Scouts from the Wings Over the Rockies Post maiden their new airplanes. He also gave them an introduction flight with the club’s Apprentice airplane. Tomorrow, John will start flying lessons with Manuel Barnett. On August 25th, Ron Cox, Steve Yamamoto, and John will present a Rotorcraft Demo at an assisted living facility.

Treasurer’s Report

Sid Gates was absent, so Joe Bolognese gave balances for our three bank accounts: Runway Fund, Runway Maintenance, and Operating Fund. We have 118 members in the club.

Safety Officer’s Report

Eric Sunderwirth asked the members to explain our flying rules to the new pilots at the airfield.

Director – Airfield Maintenance

Bob Brelsford visited the airfield this morning and reported that the results of the August 15th Maintenance Day were impressive. Bob was out of town and unable to attend, so Jack Steinhauser organized the event. The grass around the runway, pits, and helicopter area was mowed, the handicap signs and parking blocks received a new coat of blue paint, the new flat top tables were painted, and the area was cleaned up. Bob thanked the 8 volunteers who did the work.

Member at Large

Bob Pash had nothing to report.

Director – Public Relations and Outreach

Ron Cox said the parking plan for the airshow had already been discussed.

Events

The following events are scheduled:
August 22 – DRCE August Airshow.
August 27 – DRCE August BBQ and Evening Flying. A weather decision will be made 24 hours prior to the event.
September 11, 12, & 13 – Wings Over the Rockies Airshow

Old & New Business

None

Show & Tell

Bob Pash described his Nieuport 17 ARF made by Maxford USA. He replace the supplied CA hinges with Dubro nylon hinges and the flimsy wheels with Williams Brothers wheels. The model has a 60 in wingspan and is powered by a 35-42 1100 kv motor and 3600 4 cell battery. He has flown it several times and it appears to be a nice stable flyer with no dramatically bad tendencies.

The Nieuport 17 first appeared on the Western Front in 1916. Fast and nimble, it quickly replaced the earlier Nieuports and was widely used by not only the French but the British as well. It could be armed with a fuselage mounted Vickers machine gun as preferred by the French or a top wing mounted Lewis gun as preferred by the British. The next generation of Allied WW1 fighters included the Spads and the SE5A.

Bob Smith – Brought two airplanes. The Me 262 by

Continued on Page 5
Freewing from Hobby Lobby has a span of 60 inches and weighs 6½ pounds. It is powered by two 70mm six bladed fans with a 6S 5,000 mAh LiPo battery. It comes with flaps and retracts. The airplane flies like it is on rails with a top speed of almost 100 mph.

The Rebel 70 by Freewing from Hobby Lobby has a span of 36 inches and weighs 2½ pounds. It is powered by a 70mm six bladed fan with a 4S 3,600 mAh LiPo battery. It comes with flaps and retracts. The airplane has a top speed of 90 mph.

Bob Lembke – Described his World Models Sky Raider which he is selling as is.

Auction

Eric Sunderwirth conducted the auction.

Goldberg Super Tote Field Box – Includes electric power panel, electric fuel pump, electric starter, electric glow plug igniter, and extra parts (props & glow plugs). Won by Joe Bolognese with a $15 bid.

Super Dragonfly Slope Soaring Glider – Wingspan 70 inches with elevator & aileron control surfaces. Comes with 2 servos and a NiCad battery. No bid.

Door Prizes

John Dickens ran the door prize event for the evening. The following were the results of the door prizes:

1. CA Glue – Cam Lawson
2. Monokote Trim, Cub Yellow – Bill Morz
3. Colpar $10 Gift Card – Bob Brelsford
4. 5 Minute Epoxy – Manuel Barnett
5. Top Flight Prop Balancer – Ron Cox
6. Curved Clamp 10 inches – David Knutson
7. Helping Hands – Mitch Long
8. Bag of 13 tools – George McCray

Donation Table

Many different items were presented on the table. The Donation Table collected $12.

Next Meeting

The next meeting will be September 16, 2015 at Colpar Hobbies.

Adjournment

Meeting was adjourned at 7:30 P.M.
The gas-powered Extra’s virtue comes from a great aircraft design, rendered as a beautiful and finely crafted model sold through Aeroworks, and the tremendous power generated by the DLE-20 in relation to the weight of the plane. Gasoline, with its energy content of 45.8 Megajoules per Kilogram, beats straight Methanol, with its energy content of 31.1 MJ/Kg, by 47%. Of course, glow fuel also contains nitrated methanol (“Nitromethanol”), which increases its power delivery, however it is safe to say that a gasoline-powered engine of a given displacement is significantly more powerful than a glow-powered engine of the same displacement. Gasoline engines have also the advantages of continuous ignition during flight, improving reliability, and the absence of the large quantity of lubricating oil found in glow fuel, which accumulates on planes.

In any event, I had a glorious day of flying and visiting with my fellow club members who were out to enjoy the great flying conditions. The field has never looked better tended, and the facilities are in great condition with the exception of a few tables that need some replacement of rotting wood. We could use a couple of volunteers to take on the project of rehabilitating those tables in their own time. It is not a big project, and will go quickly for someone skilled with tools such as a circular saw, but it would be crowning touch to our facilities this year. If anyone wants to help out with this please send me an email. This project will be coordinated through Bob Breilsford, our Director of Airfield Maintenance.

**August 22 Airshow**

Our third and final Airshow of the 2015 season was a spectacular success. With two other airshows under our belt this flying season, the volunteers who made the Airshow possible, and the pilots who flew put on our best show yet. It was a show that thrilled both club members and spectators. I frankly think we have one of the best shows of radio-controlled aircraft in the Front Range region. Moreover, the shows that are in our league, like the Warbirds over the Rockies, are put on at far greater expense and effort. I like our show because it is easy and fun to participate in (anyone who wanted to participate as a pilot was welcome), well-organized and run, and (partly because of the music and sound effects) very impressive to watch. Congratulations to all the volunteers and pilots, you did a fabulous job!

**August 27 Evening Fly and BBQ**

The evening of August 27 began with a tremendous thunderstorm that rolled in from the northwest,
drenched Suhaka Field, then rumbled off to the southeast. My wife, granddaughter and I drove through this storm on our way to the field that evening. It was dark, menacing, and delivered heavy rain as we passed under it. But, we could see clear skies behind the storm, just as the weather radar predicted that I checked before leaving my house.

In my experience, there is no more pleasant condition to fly in that the calm that follows a big thunderstorm. The air is sweet and clean, winds calm, and the cloud remnants from the storm provide a fabulous light show as the sun sets. You can see from the photos in this newsletter that the interaction of evening lighting and clouds provided a spectacular backdrop for photographing aircraft that evening.

**Shirley Gates Passing**

This past month also brought the sad news of the passing of Shirley Gates, wife of Club Founder and active member Sid Gates, Saturday, August 29 at The Denver Hospice.

Sid and Shirley Gates have been a foundation for the Front Range radio-controlled aircraft community for decades.

Shirley Ann Gates was born December 11, 1932 in Newton, Kansas, the daughter of Luther and Gladys McJilton. Shirley graduated from Newton high School in 1950 and attended Kansas State University and Wichita University. On May 31, 1952, she married Sidney Gates in Newton.

Other survivors include: son, Brian Gates and wife Barbara of Arlington, TX., daughter Carol Bauman and husband Bill of Centennial, Co. four grandchildren, Patrick and Russell Gates of Arlington, Texas, and Leigh Torres and husband Steve of Castle Rock, Colorado, and Jackie Jackson and husband Luke of Highlands Ranch, Colorado, and five great grandchildren. Also surviving are sisters Barbara Fabic of Gaithersburg, Maryland, and Darla Neal of Hutchinson, Kansas, and fourteen nieces and nephews.

After raising her children, Shirley was the office manager of Dill and Dill, Attorneys at Law. She was an avid tennis and duplicate bridge player, a volunteer in the schools and a devoted wife, mother, grandmother, and great grandmother.

Visitation was held on Friday, September 4 at Olinger Chapel Hill Mortuary, and a memorial service was held on Saturday, September 5 at Olinger. Memorial Donations may be sent to The Denver Hospice in care of the Olinger Chapel Hill Mortuary.

In honor of the important role that Sid and Shirley Gates have played in building and supporting our club and the hobby of R/C aviation, the Board of Directors of the Denver R/C Eagles arranged for a floral arrangement to be delivered to the memorial service at Olinger Mortuary.

**FPV Quadcopter Racing**

The intersection of rapidly advancing communications technology and the explosive development of quadcopter flight control technology has creating a fascinating new niche in our hobby: first-person-view quadcopter racing.

Imagine for a moment what it would be like to fly a full-scale single-seat quadcopter that had the performance to fly over two hundred miles per hour. Then imagine flying this craft at less than fifty feet off the ground with several other “quads” surrounding you at close quarters, while maneuvering around a track at speeds between one and two hundred miles per hour. Wow, that would be a rush!

Well, except for one minor detail, that is what quad racing is like. The minor detail is that the pilot is sitting safely on the ground, but has the “first-person-view” perspective of being in the cockpit. Wow, that sounds pretty cool... and is a lot cheaper and safer than flying a full-sized aircraft to boot!

Several DRCE club members have jumped into the niche of quad racing and are going to share their experiences and provide an insight into the technology involved at our next club meeting on September 19. Chuck Browitt and Rick Quast are going to talk about the technology of
President’s Message (continued from page 7)

racing quads, the growing interest in quadcopter racing, and provide an overview of the Colorado FPV Chapter which organizes actual races. They will also share the experience of what it is like to race with some FPV flight videos. As Chuck says, “this will give everyone an idea on what we see when flying.” Chuck and Rick will also bring their quad racers and FPV equipment and go over what’s involved to get into the hobby. Don’t miss this fascinating presentation on quad racing by a couple of die-hard enthusiasts!

Officer Elections

As provided in our Bylaws, I will be selecting a Nominating Committee that will be announced at the October meeting. This Committee will be responsible for selecting a slate of officer nominees and presenting them to the Club at the November meeting. Depending on the wishes of club members, we can either accept the nominations of the Committee by acclamation at the November meeting, or send out written ballots to be returned and counted at the December meeting.

Also provided for in the Bylaws is a term limit of two consecutive terms for the positions of President and Vice President. This means that I will finish my job as President this year, and Joe Bolognese will also finish his job as Vice President.

I have enjoyed my tenure as President and believe that, with my leadership, the club has made important strides towards having a better and safer facility, as well as a more active club membership. I am very pleased with the high level of club spirit that I see evident at Suhaka Field, and the friendly and helpful atmosphere that prevails among our members at the field every day.

That being said, I think it is very important for the President’s job to be handed off every two years. It is a demanding job that requires considerable dedication and effort, yet offers great rewards. I hope that the Nominating Committee can find an individual who will bring fresh enthusiasm and great talent to the position. I will continue to be involved in club management in the position of “Immediate Past President”, who is a member of the Board of Directors. I hope to provide useful support and guidance to the new President and Board in 2016.

I will continue to produce this newsletter for at least another year.

See You at the Field!

I have found in years past that the months of September and October offer the best overall flying conditions of the year. Most days have pleasant temperatures, little in the way of serious weather, and light winds. The autumn sun is bright without being hot, a welcome change from the strong sun of summer.

It is a great time of year to get out and enjoy the pleasure of guiding a radio-controlled aircraft through the skies above Suhaka Field.

I look forward to seeing you at Suhaka Field!

Sincerely,

Jack Steinhauser
DRCE President
Evening Flying and BBQ, August 27, 2015
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Labor Day, September 7, 2015
September 2015

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[Images of model airplanes and people flying them at an event on Labor Day, September 7, 2015.]
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