



# THE INVERTED FLYER

NEWS of the BOULDER AEROMODELING SOCIETY  
AMA Charter # 906

## July 2014 Edition

Ken Miller Editor # 72



## **BAS MEETING MINUTES CHANDLER FIELD, BOULDER, June 11, 2014**

Meeting called to order by **2ND VICE PRESIDENT** Joe Sherran at 6:30 pm, as both the Club President David Goodnow, and 1st Vice President Murray Lull, were not in attendance due to other obligations. Twelve members were present.

Motion by Al Coelho, with a second to the motion by Augie Bruno, to accept the minutes of the last meeting as they appeared in last month's newsletter. Motion was voted on and passed.

**TREASURE REPORT**—Treasure Dean Ehn gave a detailed report of the Club finances.

**OLD BUSINESS** — **2ND VICE PRESIDENT** Joe Sherran reported that the required striping and “Xing” of the runway as required by the FAA has been placed on hold for the present at the direction of the City of Boulder Representatives.

Further, Joe reported that he and David Goodnow will be expanding the present charging station, completing all required assembly and installation at no cost to the club. Thanks David and Joe for your efforts in this matter. Rich Anderson discussed some details regarding the upcoming static and float fly demonstration to be presented by the club July 4th at the Reservoir. Some of the items discussed were the location of the flight pattern, the start time, and the static display table. Greg Hine will be manning the static display table with others during the show. Participating club members will be issued ID wrist bands allowing for free entrance into the Reservoir on July 4th for the event.

**MEMBERSHIP** — Augie Bruno reported that the club presently has 80 members, with 25 members participating in the float fly activities. Augie reported that there were no new members since our last meeting and that we are three members behind last year's totals at this time period.



**NEW BUSINESS** — Greg Hine brought forth a discussion concerning the moving of the club rule signs presently located above the “pin up” area. The signs block the view of the runway from the shelter. A motion was put forth, voted upon, and passed to relocate said signs to the shelter area. Also Greg is looking for the club banner which has since been reported gone. A motion for the purchase of a new banner was put forth, voted upon, and passed.

Rich Anderson discussed the upcoming June 12 planned weed spray operations. The approved chemical “Rodeo” has been purchased and will be applied as directions require. Members were encouraged to participate with their hand garden spray equipment.

Motion by Greg Hine, with a second by Rich Anderson, to adjourn the meeting. Motion voted on and passed. There is no gift card drawing at meetings which occur at the field during the summer months.

**Respectfully Submitted Richard Myron.**



## **Volunteers Needed: Friday, July 4th**

Our friends over at the Boulder Reservoir headquarters have asked BAS to have a static display of model aircraft, and put on a float fly demonstration during their 4th of July festivities that Friday. How about giving your club a hand for a few hours? This will probably be our best opportunity to introduce new folks to our hobby and maybe gain a few new club members this year. While the schedule has not been finalized, I’m sure we can work around your other plans for the day.

We need 3 or 4 float fly pilots (and their planes) so that, winds permitting, we can have a plane in the air over the water for an hour or two during the day. This will no doubt occur in the morning before afternoon winds.

Rudy Glick will be demonstrating his engines.

It would be wonderful to have some big beautiful (and small beautiful) airplanes, helicopters and maybe even a multi-copter (drone!) or two for static display. We’d also like a couple of simulators for prospective RC pilots to “fly”. We’ll have electricity and will be in the shade of the Reservoirs large tent.

Please contact Rich Anderson (303-898-6548, anderson.rich@comcast.net) and/or Greg Hine 303-956-2119, greghine@gmail.com)

**THANK YOU IN ADVANCE, FOR YOUR ASSISTANCE.**



# Front Range RC Flying Events Calendar for 2014

by **Mike Cross** – Longmont Associated Modelers Association (LAMA)

Send any corrections or up dates to me @ [Hotcross.RCFlyer@Gmail.com](mailto:Hotcross.RCFlyer@Gmail.com)

**Note 1:** This events calendar is very dynamic and being updated frequently, bear with me on changes.

**Note 2:** Some of these events are not firmed up ---- **verify before you plan to attend.**

**Note 3:** The events with a (C) = are AMA sanctioned events Or (I) = are IMAC sanctioned events.. The rest were gathered from the AMA Web site calendar, club web sites and Emails.

## July

7/09 - Park Ranger Fly Jefco Aeromod'lers

7/12-13 - (C) 2nd Prairie Dog Pattern Classic Miniature Aero Sportsters (M.A.S.)

7/12 - 8th Annual Heli Fun fly Crosswinds

7/12 - Long Lake Float Fly Arvada Associated Modelers

7/19 - PPRCC Electric Fly-In Pikes Peak RC Club

7/19 - 10AM Fun-Fly - Touch & Go Fremont County RC Club

**7/19 - 10AM Fun-Fly - Touch & Go Fremont County RC Club**

7/24 - July BBQ & Evening/Night Flying (6:00 - 9:30) Denver RC Eagles

7/26 - PPRCC Scale Fly-In Pikes Peak RC Club

7/26 - Old Farts Fun Fly Jefco Aeromod'lers

7/27 - Long Lake Float Fly Arvada Associated Modelers

## August

8/02-03 - (C) Mile Hi IMAC Challenge 2014 Mile Hi RC club

8/02 - Vintage and Old-timers Fly-in,Arvada Associated Modelers

8/09 - (C) Jefco Aeromd'lers Big Bird Fly In Jefco Aeromod'lers

8/09 - Annual Kids Day Miniature Aero Sportsters (M.A.S.)

8/09 - Long Lake Float Fly Arvada Associated Modelers

**8/09 - 10AM Fun-Fly - Pylon Racing & Spot Landing** Fremont County RC Club

8/15 - National Model Aviation Day AMA

8/16 - Vintage RC Fun fly Arvada Associated Modelers

8/16 - Annual Warbirds Fun Fly Crosswinds

8/23 - August Airshow (11:00 – 12:30) Denver RC Eagles

8/22 -24 - (C) Sky Corral "Big Birds" (IMAA) SkyCoral RC Club - Pueblo

## Master the Basics of Straight and Level Flight.

You should practice straight and level as much as you do any other maneuver. It is also where new precision aerobatics pilots should begin. It may seem like the most boring thing to do, but in reality, straight and level flight is one of the most difficult maneuvers to master. Sure, rolling circles, tail slides and multiple snaps each have their own levels of difficulty, but think about what comes before and after each one of these: straight and level flight. One of the most difficult things to do after performing a rolling circle or a snap is to retain the same flight path. You must learn what “wings level” looks like at various flight altitudes and box positions. And for this, there is only one solution: practice.

Begin by flying your plane parallel to the runway about 100 yards away from yourself. When you reach the end of the aerobatic box (1,800 feet wide maximum), pull the plane vertical. If your plane does not head straight up, you didn't have your wings level. Typically, most fliers hold their inboard wing too low during what looks to them like straight and level flight; when the plane is pulled into a vertical climb, it will start to come in toward the pilot. Continue doing this at various altitudes until you can achieve a vertical pullout. As the plane continues upward, other forces such as prop torque will affect your plane, but you need only concentrate on the initial pull up for this exercise. If you find that you have to apply rudder immediately after you “pull” up-elevator, then you are not flying level. High-wing, mid-wing and low-wing planes will all look different in flight with respect to the ground. Your paint scheme can also “throw off” your perception of your plane's attitude. Learn what wings-level looks like by practicing it over and over.

Now let's take the wings-level exercise one step farther: inverted. Yep, throw out your previous sight picture and start again. In an aerobatic sequence, straight and level flight is not limited to upright flight only. In fact, you may spend as much as 30 percent of your flight time inverted while in between maneuvers. You also need to know what inverted wings-level flight looks like. Push down-elevator to enter into a hammerhead at each end of the box, and notice which way the plane immediately leans. Fix the lean angle on the next try with your ailerons immediately before adding the elevator push from straight and level flight. Once the push begins, only rudder should be used. The same thing goes for upright flight. Use the ailerons before the pull, and then use the rudder to correct during and after the pull into the vertical.

Wind correction is another factor that will influence straight and level flight and your vertical lines. (Note: “wind correction” means that you must lean the plane's heading slightly into the wind to keep the plane's flight path parallel to the runway and perpendicular to the ground during a vertical climb.) If the plane is crabbed during a vertical entry, it will immediately lean toward the direction of crab. You may need to take some of the crab out of the plane with rudder immediately before the pull. (I emphasized the word “some” to signify that there is no hard-and-fast rule concerning how much to remove.) A certain amount of crab-angle wind correction should be maintained to keep it parallel to the runway. Each plane will act differently depending on its weight, the length of its tail moment and the amount of crosswind velocity. The only way to find how much crab angle you'll need to remove is by practicing. It may seem simple, but I can't over-emphasize how important it is to master straight and level flight—for aspiring aerobatic pilots and seasoned veterans, as well. Think of it as the glue that holds your sequence of maneuvers together.

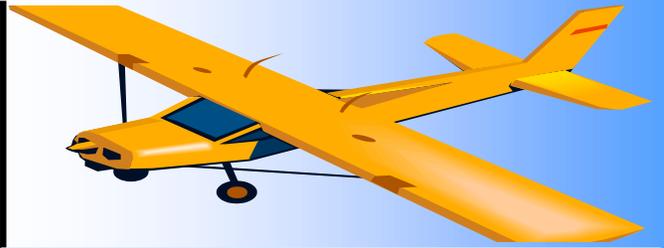
**By Dan Wolanski**

July,  
BIRTHDAYS

Rich  
Anderson

Wendell  
Wickstrom

Jason  
Mendelson



## **BAS Meeting**

**Chandler Field 6:30 pm**

**July 9th , 2014**

Laser Kit Cutting...  
CNC Router and....  
Vacuum Forming....  
CNC Foam Cutting....  
ALL Done to order...  
Quality work...

[www.vicsrc.com](http://www.vicsrc.com)

**BAS—RC—Forum**

[www.TinyURL.com/BoulderRC](http://www.TinyURL.com/BoulderRC)

See Web Page for Event Lists,  
Media Gallery, Members List  
Local Weather Stations, Classifieds,  
Club Officers, Newsletters and  
Youth Training Program.

[www.boulderaero.org](http://www.boulderaero.org)

Will purchase "Estate Lots" or other entire  
large collections of RC kits, motors,  
accessories, etc for reasonable amounts.  
Cash paid.

**Richard Myron**

**303-746-4274**

