



TAILSPINNERS



Volume 56
Issue 6
March 2011

UPCOMING EVENTS

Club Meetings

- Apr. 12th

April meeting is at 7PM at Aurora Fire House #11 at Iliff and S. Joliet (One block east of Havana).

- May 21, 15th Annual Alex Pluckrose Memorial Fly In

- June 11-12, Aeroworks IMAC

- June 25, Crosswinds Warbirds Fun Fly

INDEX

Aeroworks_IMAC pg....1

Outreach pg....1

Meeting_minutes pg.1-3

Wisdom pg....3

Aresti_symbols pg.3-5

CLUB

OFFICERS

President: Robert_Plant

Vice-President: Gary_Brady

Treasurer: Tony_Zang

Secretary: Adam_Bryant

At Large Board: Larry Ellis (Chair), John Neumeier, Scott Guthrie, Roy Olson

NEWSLETTER EDITOR

Adam Bryant

AEROWORKS IMAC CONTEST INFO

Scott Marks, the contest director for the Aeroworks IMAC contest to be held on June 11-12 at the field, will be on hand at the March meeting to give an overview and briefing of the event.

To quote our Prez: "I reiterate that this event is for all fliers. There is a beginner level [category] that has no restrictions on the size [or type] of the airplane." For complete details visit the IMAC website at

<http://www.mini-iac.com/>

DO WE HAVE ANY LOCAL FLYERS WHO ARE UP TO THE CHALLENGE?

COMMUNITY OUTREACH BY MILE HI MEMBERS

As they have for several years, club members Chuck Brant and Adam Bryant volunteered time this year to mentor high school students in the annual FIRST Robotics competition (www.usfirst.org). They took their well-rehearsed robotics road show to a new school this year and mentored rookie team #3729 from Regis Jesuit High School. The Regis RaiderBots team did outstanding in the Colorado Regional competition held April 7-9 at the Ritchie Center at Denver University qualifying 12th out of 45 teams and capturing the Rookie All Stars and Highest Rookie Seed awards. The Rookie All Stars award also comes with an invitation to the FIRST Championship event to be held April 27-30 in St. Louis!

Chuck also mentored teams from Thomas Jefferson High School and George Washington High School and the really amazing part is that ALL THREE teams he mentored made it into the playoffs of the Colorado Regional event! To the best of our knowledge, this is a feat not previously attained in the 20 years the FIRST Robotics competition has been held.

MEETING MINUTES

WEDNESDAY MARCH 16, 7:00PM

Pledge of Allegiance/Meeting Called to Order – Robert Plant, President

Quorum – Require 8 members present (10% of voting members)

- 13 members present

Approve Previous Meeting's Minutes – Posted in January newsletter (no February meeting due to weather) Adam Bryant

- Motion accepted to approve the minutes

Approve Treasurer's Report – Tony Zang, Treasurer

- Contact a club officer for a report with actual checking account amounts.
- Motion made and passed to accept the treasurers report.



Approve Investment Report – Gary Brady, Investment Officer

- Contact a club officer for an investment report
- Motion made and passed to accept the investment report

Membership Report – Gary Brady, Vice President

- Two new members

Contest/Events Committee Report

Wings Over the Rockies in February 26 - Bob Bergin

"Best one we ever had" according to Bob. About 1600 paying attendees and 250+ club members which exceeded last year. Hobby shop setup near the demo area worked out very well. George will post the link to the channel 8 video of the show on our website.

Aeroworks IMAC will be June 11th and 12th (2 day event)

- We will provide food service
- Expect about 25 participants
- Club will receive most of the registration fee
- IMAC representative (or 2) should be at April meeting
- 15th Alex Pluckrose memorial.
- Registration at 8:00am, pilots briefing at 8:45.
- George emailed the flyer to all club members.
- Goal is to make \$1500 for the club.
- A portion of the proceeds will be donated to United Cerebral Palsy.

Field Maintenance Report

- About half of holes and rips in runway repaired last weekend.
- We will have a cleanup day sometime in April.
- Will blow off all the dirt and trash and move the bumper stops.
- We will put down some buffalo grass seed on areas we want to recover.
- Will need seed for 10000 or so sq. ft. of coverage.

Safety Report – Ric Emerson, Safety Officer

Be vigilant around propellers! Every month we hear or read a new story of someone having a, shall we say, less than desirable interface with a spinning propellor. We would rather fly with you than visit you in the hospital, SO BE CAREFUL!

Unfinished Business

- Rewrite of By-Laws - Robert is still working on this.
- Pit expansion delayed indefinitely.
- Club polo shirts and patches. \$16 + \$4 with your name on it. NE corner of Chambers and Alameda. Monograms to Go is the name of the place.
- Received notification from the AMA Gold Leader status
- Received AMA letter saying our club charter was approved again.

New Business

- Discussion of direction to field signs. Discussion was to possibly reduce the number of signs being purchased.
- Flying field grant package submitted (about \$208)
- Amended Field Operating Rules are posted.
- Decibel meter has been purchased and is in flag locker. 96db at 10



feet/ one foot off the ground

- Dave Teich attended the Denver Area Aeromodellers Council. The Council has 2 meetings a year. The idea behind this group is to get members of the clubs together to discuss issues common to all clubs and share information and ideas. The Arvada field is having a fun-fly open to all clubs on Oct. 15.

- Notice of Proposed Rule Modifications from the FAA

- FIRST Robotics competition is April 7-9 at DU Ritchie Center.

- Mile High RC company? Airplane sales.

- Airpark Elite has had their piece of land sold and are in discussions with the new owner about a lease.



Announcements

- Next Board Meeting – As needed

- Next Club Meeting – Tuesday, April 12th, At Iliff Fire House, 7 PM

- Summer meetings start in May at the field on a Saturday (to be announced) at 9:30am.

Drawings (NOTE: visit these stores, these vendors actively support our club!)

Hobby Store Gift Certificates & Fuel/Merchandise: Air Scharnell, Colpar

- Air Scharnell fuel - George Kerr

- Colpar gift certificate - Bill Robinson

- Air Scharnell gift certificate - Robert Porter

Program / Meeting Adjournment

- Motion made and approved to adjourn



WISDOM FROM TRAINING MANUALS

'Never tell the Platoon Sergeant you have nothing to do.'

- Unknown Infantry Recruit-

'If you see a bomb technician running, try to keep up to him.'

- Infantry Journal-

EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT ARESTI SYMBOLS, BUT WERE AFRAID TO ASK.

So, you are asking yourself, "What the heck is an Aresti symbol, and why should I care?". The answer is that Aresti symbols are the internationally recognized way to diagram an aerobatic maneuver performed by an airplane (real or model), and the symbols are used by the IMAC for describing the maneuvers that will be flown in the upcoming IMAC event at Mile Hi.

FROM WIKIPEDIA:








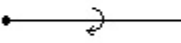
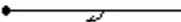
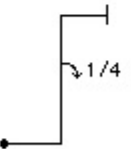


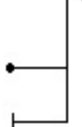
The Aresti Catalog is the Fédération Aéronautique Internationale (FAI) standards document enumerating the aerobatic manoeuvres permitted in aerobatic competition. Designed by Spanish aviator Colonel José Luis Aresti Aguirre (1919–2003), each figure in the catalog is represented by lines, arrows, geometric shapes and numbers representing the precise form of a manoeuver to be flown.

The catalog broadly classifies manoeuvres into numbered families. Families 1 through 8 depict basic figures, such as turns, loops and vertical lines; family 9 depicts rotational elements that can be added to basic figures to increase difficulty, change the direction of flight or invert the g-loading of the aircraft

NOTATION

In Aresti notation, solid lines represent upright or positive-g manoeuvres and dashed lines represent inverted or negative-g manoeuvres; these are sometimes depicted in red. Stalled wing manoeuvres such as spins and snap (flick) rolls are represented by triangles. Arrows represent rolling manoeuvres with numbers representing the extent and number of segments of the roll.

A BRIEF PRIMER ON THE BASICS OF ARESTI NOTATION IS GIVEN BELOW.

-  A small circle at one end of a figure indicates the maneuver starting point.
-  A short vertical line at the other end of the figure indicates the maneuver end point.
-  Horizontal segments represent level flight paths (flown left to right in this example).
-  Vertical segments indicate vertical flight paths. The corners are intended to be flown as 1/4 loops, not right angles.
-  Segments angled 45° indicate flight at a 45° angle from the vertical.
-  Dashes used to draw lines indicate inverted flight (negative G).
-  Circles (and portions of circles) indicate loops (and loop portions).
-  Short arcs (approx. 180°) drawn to intersect lines indicate full rolls.
-  Portions of arcs (approx. 90°) drawn on one side of a line indicate portions of rolls. As drawn, the figure depicts a 1/2 roll performed in horizontal flight.
-  Fractional notations next to roll symbols indicate roll portions greater or smaller than 1/2. As drawn, the figure depicts a quarter roll flown on a vertical up-line.
-  Right triangles indicate spins.
-  Equilateral triangles indicate snap rolls.
-  Hammerhead Turn

