

MATHER AEROSPACE MODELERS INC.

AN AMA GOLD LEADER CLUB

CHARTER # 1243



<http://takeoff.to/mather>

March Meeting

March 2006
Volume 1, Issue

NOTICE

The January issue of the newsletter was the last one sent out to all members via the U.S. postal service. Starting with the February newsletter it will be posted on the website at the following location: <http://takeoff.to/mather>, then click on the newsletter icon. Members will need to have Adobe Reader software on their computer to open the files. Anyone needing to install this software should click on the PDF icon on the same web page, and then click on the download icon. For members that do not own a computer or have no internet connection can have a newsletter mailed to them by sending their name and address to:
Dean Raymond at 3378 Irish Mist Way
Sacramento, CA 95826.

Presidents Message

Richard welcomed the members to the March meeting and reminded everyone that our field will be closed March 16th through the 19th. The Capital Air Show will be during this time. The airspace in a five mile radius around the Mather airport will be restricted in order to accommodate the Blue Angels as well as the other aircraft during the show. Richard stated that he had posted signs at the field and he would go out again prior to the event to make sure the signs were still visible. He contacted the Red Baron's and the Sacramento Valley Rotary wings to make sure they were informed of the closure. Richard commented that the 2005 financial report would be done soon and if anyone was interested in reviewing they should contact him or Hank Pajari.

Secretary's Report

Mike reported that there a 140 paid members for 2006, 3 new members since last month. Anyone interested in the clubs bylaws should contact Mike.

| President | Website Manager | Safety Officers | Flight Instructors | |
|--|--|-----------------------------------|--|----------|
| Richard Malinowski 684-6652 | Kenny Bemis 681-2495 kenny@lanset.com | Chuck Roundy | <u>Coordinator: Dean Raymond (916)363-3326</u> | |
| Vice President Dave Edwards 451-0342 | Newsletter Editor Mark Sherrill 209-745-7758 mksherrill@sbcglobal.net | Leader Member Rex Williams Jr. | Bob Lind | 966-3721 |
| Secretary Mike Clawson 967-0424 | | Member-at-Large Bart Holdener | Dean Raymond | 363-3326 |
| Treasurer Hank Pajari 768-1951 | Field Marshall Norm Poynter | | Chuck Roundy | 715-0860 |
| | | | Les Gillet | 455-7148 |
| | | | Ellis Hall | 331-6302 |
| | | | Ed Sutter | 361-8200 |
| | | | Rex Williams Jr. | 362-8988 |

Treasurer's Report

Account balances can be obtained by attending a meeting or speaking personally with Hank Pajari. Hank reported that the club will be changing banks from Heritage to US bank.

Safety: Chuck enlisted the members to relate any safety issues that they may have come across recently. Mike spoke up about radios not in the impound area and stated that no one should ever turn their radio on without possession of the frequency pin. Richard talked about using a frequency checker and finding that channels 12 and 46 were lit up but no one at the field was using the frequencies. One possibility was that the new houses in the area could be the source that the scanner was picking up.

New Members

There were five new members present at our March meeting. Welcome Victor, Dean, Anthony, Jeff and Russ. No visitors were present.

Old Business: Paul reported on his research in converting to a 507 C3 nonprofit club continues. Mike contacted the weapons storage area people and they are checking on whether we can obtain the telephone poles. Dave and Scott suggested that we sink pipes around our filed access and string cable through to prevent the midnight hot rodders from tearing up our parking areas. This would

also include locking cables across the entrances. The cabling and post will have reflective surfaces and flags to ensure the visibility by everyone. A motion was made to spend up to \$500 to for the installation and the vote was unanimous. On the 400 foot ceiling issue everyone needs to know that the distance from the impound area to the white barrel at the north end of the runway is 400 feet. Pilots should use this reference for the flying height of their planes. Everyone should keep a sharp eye out for inbound full scale aircraft to ensure our aircraft do not interfere. The first flying events were finalized for 2006 and are as follows:

Sport Competition Fun Fly - June 18th

Sunrise Mall Show - June 24th

Open Field Day - August 5th

Poker Fun Fly - August 13th

Toys for Tots - December 2nd

New Business: It was announced that the Red Barons finally have a new field in Roseville off of HWY 65.

The club would like to thank Sacramento County Sheriff Sergeant Maureen Lancaster in response to helping get rid of the junked automobile left in front of our field. Sergeant Lancaster indicated that the sheriff department is there to help and would keep an eye out for anymore illegal dumping.

Information for the March 2nd meeting from the President

The flying field has been fenced for the protection of the clubs facilities. Everyone needs to close the gate when they come and go. In April there will be combination locks installed and the combination will be mailed to the current members home address. A big THANK YOU goes out to the volunteers that took the time to install the post and cable at the field. We still need a CD for the club's Open Field day, the success of this event depends on the members willing to step up and volunteer. Remember this is one our biggest events of the year, please sign up.

If possible please send or bring any other new business to me before the meeting.

Members can call me (916)-684-6652, write me at Richard Malinowski, 7418 Brandamore Ct, Elk Grove CA 95758, or e-mail me at: masm.inc@comcast.net



Bob exhibited his Goldberg Extreme 540



Jason brought his Adrenalin Foamy



Bob M. showed us his Flydon Extra 330



Jason won the Viper 500 and a Planebender CR-1



Keith and Victor both scored gift cards for RC Country

THANK YOU!



6011 Folsom Blvd., Sacramento, Ca. 95819
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The Mather Aerospace Modelers would like to thank Chet and Terry, owners of RC Country, for their continued dedicated support of our club. With your generous contributions and subsidies we have historically had successful raffles at our monthly meetings and events.

From the Middle Point RC Flyers, Murfreesboro TN

Windy Weather Flying

BY CLAY RAMSKILL

All too often, on an otherwise nice but windy day, folks just don't fly. Obviously, for a beginner, that's common sense—but for someone who has some experience, the wind can be a challenge that adds some spice to flying.

While it's easy to see that experience level has a lot to do with how much wind is too much, it may not be quite as apparent that the type of model you're flying also can have a great effect on your ability to handle winds.

Let's go through some airplane design features to see which ones give us the best flying characteristics to handle winds and the resulting turbulence.

Size: In general, the larger the airplane, the better it will handle winds of all kinds; large models don't "flop around" as much!

Dihedral: The more dihedral in a model's wings, the more they are going to be affected by crosswind gusts; it is hard to keep the wings level, therefore lineup to the runway is difficult in a crosswind situation.

Wing Loading: The higher the wing loading, the less an airplane will be affected when hit with a gust.

Aspect Ratio: Lower aspect ratio (stubby) wings will be less bothered by gusts; there is less leverage for side forces to upset the airplane, and lower aspect ratio wings have a greater tolerance to changes in angle of attack caused by gusts.

Power: Having the power to overcome the force of wind is necessary. The same thing goes when you get into a sticky situation.

Lateral Control: Ailerons are beneficial in a crosswind landing and takeoff phases. The ability to dip a wing into a crosswind without changing heading is essential, as is the ability to rudder the airplane parallel to the runway heading while keeping wings level with aileron while landing.

Landing Gear: Models with tricycle landing gear are easier to land and take off in a crosswind than tail draggers; in addition, the wider the spread on the main gear, the better.

Maneuverability: This one is a bit harder to quantify. You want a model with stability, yet you do need good maneuverability to cope with gusts. Therefore, you want a model that is stable, yet responsive.

Wing Mounting: Generally, a low-wing airplane will handle crosswinds better. This is because the center of gravity of the airplane is nearer, in a vertical sense, to the aerodynamic center of the wing. Therefore, a side gust does not roll the model as easily. Moreover, by mounting the main landing gear on that low-wing model, they can be spread wider.

It's unfortunate that almost every item above is in direct opposition to the characteristics found in many popular trainers. The main exception is the requirement for tricycle landing gear. But even with trainers, there are differences. Compare a Seniorita with the Kadet Mk2. While the Seniorita may be a bit slower and a bit easier to fly, the Kadet, with its ailerons, higher wing loading, lower aspect ratio, and lower dihedral, is a far better airplane when flying in windy conditions. Going a step further with the same kit manufacturer, the Cougar (.40)/Cobra (.60 size) kits embody all the right characteristics for windy flying.

In closing, I offer Confucius' only known saying about RC flying: "To learn to fly in wind, one must fly in wind!"

MASM, Inc
RC Flying at its
Best



An AMA Gold Leader
Club

Charter # 1243

March

16-19 MATHER AEROSPACE MODELERS TEMPORARY SHUT DOWN - NO FLYING ALLOWED

18/ Intro/Pilot Guest Day @ Sacramento Area Modelers, Sacramento, CA.

18/ T34 Race @ Reno R/C, Reno, NV.

18/ Open B Combat @ EBRC , Livermore, CA.

18-19/ (Full Scale) California Capitol Air Show @ Mather Airport, CA.

18-19/ IMAC @ Bear Mountain Flyers, Bakersfield, CA.

25/ Flea Market @ SCCMAS, Morgan Hill, CA.

26/ Shop and Swap Meet @ R/C Flyers Unlimited, Oakdale, CA.

April

6 MASM Meeting @ Sacramento, CA

1/ T-34 Triangle Series #1 @ Fresno Radio Modelers, Fresno, CA.

8/ Swap Meet @ Fresno Radio Modelers, Fresno, CA.

8-9/ Float Fly @ Woodland-Davis, Davis, CA.

8-9/ Pattern @ Riverside CA.

9/ Big Kahuna Classic Warbird Race @ Sacramento Area Modelers, Sacramento, CA.

15/ Inter-Club Fun-Fly @ SCCMAS, Morgan Hill, CA.

21-22-23/ Bob Francis Memorial Fun Fly @ Salinas Area Modelers, Chular, CA.

22/ Float Fly - Spaghetti Feed @ Woodward Reservoir - R/C Flyers Unlimited, Oakdale, CA.

22/ All Electric Fly-in @ Reno R/C, Reno, NV.

22-23/ IMAC @ Wavemasters R/C, Hollister, CA.

22-23/ Pattern @ BARCS, Richmond, CA.

Visit our website <http://takeoff.to/mather> for a complete list of events

MASM

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