



Thermals

Newsletter of the Rocky Mountain Soaring Association

February 2005

AMA Chartered Club 1245

Volume XXIX Number 2

President's Message

Jim Monaco

Renewal Reminder

It's time to renew your memberships. Renew with the application in this newsletter, or online at <http://www.rmsadenver.com>.

Colorado in the Winter, ahhh, we have lots of nice flying days interspersed with a few crappy days. I hope everyone is getting out and getting some air time. First we'll cover some club business. I am sending out a gift of TicketMaster Gift Certificates to Don Schlup, the owner of Scienturfic in appreciation for his generosity in allowing us the use of the fields we use. I am also sending a couple of movie passes to the supervisory staff as well. Remember to always be polite and accommodating to the needs of the sod farm staff when using the grounds. Note that goose hunting is still going on and we need to share the fields with the hunters. They are only there for a few months in the winter, so please be respectful and avoid flying in the quadrants they are in. We can use any quadrant, but frequency control is more difficult if we are wandering around. We have moved general flying to the EAST field and we should generally be setting up and flying there. That is where the frequency flag is. If the hunters are on that field you may move to a free quadrant, but we should use the flag on the east field for frequency control. Always check for frequency clips on the east field and do NOT fly anywhere if there is a clip there already on your frequency.

We had a great meeting last month and got the 2005 schedule all set up. Thanks to several volunteers, each CD only needs to run one contest this year. A big thank you to all of the CDs. We have a full agenda of events this year. We have a bid in to host the US F3J team selections again this year. We will know at the end of April the status of our bid. If we win we will need plenty of help to have a contest as successful as the last TS. We will again host the Scienturfic Appreciation and Family Day this year. It was a big success last year. The timing on that event is only tentative because we try to schedule it with the harvesting schedule so the farm employees have time to attend. That is tentatively scheduled for September, but could move - we will know better at the end of summer. The new schedule is at the end of the newsletter and online at the club website.

Next Meeting:

Date/Time: February 1, 2005 – 7:00 PM

Location: Broomfield Community Center, Lakeshore Room
280 Lamar St

Broomfield CO 80020 (Map in the January Newsletter)

Program: Swap Shop, Bring what ya got !

It's renewal time again. It helps the club treasury by renewing in a timely manner so please renew soon. Renewing is simple - go to the website and fill in the application, you can pay online with paypal or you can mail in your check.

Now is a good time to update your entries in the frequency list on our website. This ensures that members who need to pick a new frequency can make the best choice to avoid conflicts with existing members. You need your AMA number to update the list. If your AMA number does not work - contact me and I check out why.

The SWC is coming up the 5th and 6th of February in Phoenix. We have the largest team of any club entered. Attendance is down a bit - there are only 168 entries and some of those are double entered in 2 classes. In any event it will be a great break from winter here and our club wants to win the team championship.

Since we are at the beginning of the season - now would be a good time to have a swap shop, so after the business at the February meeting we will have one. Bring planes, electronics, tools or whatever that you want to trade or sell and we'll play let's make a deal.

Good Lift...
Jim

Handlaunch Corner

by John Kappus

With the great weather that we had recently, I've had the chance to go out and fly. This has really reminded me about why hand launch is my favorite type of flying. I have difficulty finding large blocks of time to fly, but enjoy getting out at lunch. First, this gets me out of work, which is always a good thing. It also gets me looking away from the computer and staring off into the distance. Hand launch is perfect for these short sessions because they fit into the car as one piece, can be flown from a small field almost anywhere, and the catch and release style of thermal hunting provides plenty of thermaling practice in a short amount of time. I have also found that discus launch has helped my enjoyment. With javelin throw, I had to throw pretty hard to really have much of a chance to thermal out. With discus launch, I can be rather casual and still get plenty of altitude to range around in search of lift. I believe that hand launch really improves my flying too. There is defiantly a challenge to coring a small low altitude thermal and this practice helps smooth out my flying while I'm close enough to the ground to really see what's going on. All those launch and landings also helps in the Thermal Duration landing circle too. A hand launch, particularly a poly without flaps or spoilers, teaches energy management on the final approach. I've always done well in the landing circle in Open Class, but it's definitely not from practicing with a full house sailplane! I can think of no better way to spend my lunch hour then outside with my 1.5 meter plane. Come out and join me some lunchtime if you find yourself out in Louisville. I even saw that the for sale section have a good DLG in there.

Last weeks article talked about the use of a flat peg to replace the 1/4" round peg used in a lots of DLGs. Mark Dreha has recently added one more pertinent comment to this issue. He writes:

Just for the record, the numbers I posted on SALglider indicate that a low-drag peg has the biggest benefit in a fast glide (e.g. upwind penetration). The effect on the launch is smaller.

At my first DLG contest, run by Denny, I flew my SG1 (8.5 oz) unballasted in 15 mph wind, without landing out even once. I now think one reason I was able to pull this off was my blade peg I was using. I calculate that the following two gliders will have the same apparent L/D going into a 5 m/s (11 mph) wind:

8.5 oz AUW, 0.06" thick blade peg, (actual SG1)
10.5 oz AUW, 1/4" round peg, (hypothetical SG1)

So switching from the 1/4" round peg to the blade peg buys roughly the same penetration improvement as adding 2 oz of ballast (!!!). The lighter glider will of course have a lower minimum sink rate.

2004 Year End Financial Report from John Pearson

Account Transactions First Bank Checking Account 1/1/2004 through 12/31/2004

Num	Date	Payee	Category	Amount	Running Balance
Opening Balance as of 1/1/2004					1692.66
Month Ending 1/31/2004					
	1/8/2004	AMA	Reimbursement	938.96	2631.62
1800	1/8/2004	Bob Rice	Newsletter	-165.4	2466.22
1801	1/24/2004	Jim Monaco	Winch Stuff	-530	1936.22
Total Month Ending 1/31/2004				243.56	
Month Ending 2/29/2004					
1802	2/3/2004	Jim Monaco	Winch Stuff	-147	1789.22
Total Month Ending 2/29/2004				-147	
Month Ending 3/31/2004					
1803	3/10/2004	Jim Monaco	Winch Stuff	-768.55	1020.67
	3/22/2004	PayPal	Club Dues	506.34	1527.01
1804	3/24/2004	Charlie Miller	Repairs	-260	1267.01
1805	3/24/2004	Jim Monaco	Repairs	-100	1167.01
Total Month Ending 3/31/2004				-622.21	
Month Ending 5/31/2004					
	5/10/2004	Jim Monaco	contest fees	85	1252.01
	5/29/2004	Bob Rice	Club Dues	455	1707.01
Total Month Ending 5/31/2004				540	
Month Ending 6/30/2004					
	6/1/2004	Jim Monaco	contest fees	95	1802.01
1806	6/26/2004	Dan Williams	Trophies	-642.04	1159.97
Total Month Ending 6/30/2004				-547.04	
Month Ending 7/31/2004					
	7/10/2004	Jim Monaco	contest fees	321.62	1481.59
	7/16/2004	Jim Monaco	contest fees	90	1571.59
	7/17/2004	Nelson	Club Dues	25	1596.59
1807	7/17/2004	Bob Rice	Newsletter/Supplies	-310.14	1286.45
	7/30/2004	Jim Monaco	contest fees	85	1371.45
Total Month Ending 7/31/2004				211.48	
Month Ending 12/31/2004					
	12/11/2004	Jim Monaco	contest fees/members fees	373	1744.45
1809	12/12/2004	Dan Williams	Trophies	-588.64	1155.81
1810	12/31/2004	Jeff Ellsworth	new winch	-250	905.81
Total Month Ending 12/31/2004				-465.64	

Grand Total -786.85 905.81
Account Transactions First Bank Savings Account 1/1/2004 through 12/31/2004

Num	Date	Payee	Category	Amount	Running Balance
Opening Balance as of 1/1/2004					678.16
Month Ending 3/31/2004					
	3/31/2004	1st Bank	Investment Income : Interest	2.27	680.43
Total Month Ending 3/31/2004				2.27	
Month Ending 7/31/2004					
	7/17/2004	1st Bank	Investment Income : Interest	1.69	682.12
Total Month Ending 7/31/2004				1.69	
Month Ending 10/31/2004					
	10/31/2004	1st Bank	Investment Income : Interest	0.58	682.70
Total Month Ending 10/31/2004				0.58	
Grand Total				4.54	682.70

For Sale

Cap 232 with Moki 210 complete and ready to fly!

\$600.00

Sukoi with YS 140L Complete and ready to fly. This is a dream to fly!

\$800.00

Hirobo sceado shuttle EVO helicopter Ready to fly. Has all the good stuff. Never damaged.

\$950.00

Raptor V2 50 size Helicopter New in box!

\$275.00

2002 Toyota Tundra Limited

White! Has all the goodies, Topper, and leather. Great model hauler. Perfectly maintained. I have all the records!

\$22.5K

Call 303-883-9042

Charlie Miller

Hitech Digital Coreless Servo with New Karbonite Gears (6 brand new in box) \$ 50 each

These are normally \$80 servo's. Dimensions: 1.57" x 0.78"x 1.45" (40 x 20 x 37mm) Weight: 1.97oz (56g) Stall Torque (4.8V): 91.65 oz/in. (6.5kg.cm)

If you buy all 6, I'll include a free Hi-Tech Servo Programmer/Tester

Poly Terminator Pro DLG. Ready to fly (includes Gyro) just install crystal.

Flies great. Has a few cosmetic dings on the wings. Nothing structural.

Great first DLG. \$225

Spirit 2 M with servo's and battery, Good Condition \$75

Bob Sealy Constellation X-C Glass Fuse, Brand New \$75

If interested call **Jon Padilla 303-932-2504**

Rocky Mountain Soaring Association - 2005

RENEWAL _____ **NEW MEMBER** _____ **SPONSOR** _____

Please complete the following information for our records:

Family Memberships - Please make and complete a copy for EACH flying family member!

Name : _____ Need name badge? Yes
 Address: _____ Year Joined RMSA: _____
 _____ Home Phone: _____
 _____ Work Phone: _____

AMA #: _____ AMA Contest Director? Yes No
 AMA Class Open Youth Family Birth Date: ___/___/____
 LSF #: _____ LSF LEVEL: ___ NSS #: _____ E-Mail: _____
 RMSA Membership Class Senior Only Senior W/Family Associate Family
 (Note - Senior W/Family receive THERMALS - other Family members check Family Box)

Non-Flying Family members: _____
 RMSA Competition Class Novice Sportsman Master
 RMSA Offices Held _____

----- MODELS OWNED -----				
PLANE	SPAN	COLOR (Top, Bott., Fuse)	CLASS (Open, HLG, Std..)	FREQUENCY

Interests: Sports Flying T/D contests HLG Contests NSS Soar-ins F3J
 F3B X-C contests Slope contests Other _____

Past Achievements: _____

Dues: \$ 7.50 New Member Initiation Fee
 \$ 5.00 Junior - under 17
 \$ 25.00 Senior - individual 17 and over
 \$ 30.00 Family - any number (same address)
 \$ 8.00 Associate (newsletter only)
 Make checks payable to RMSA

Comments and suggestions are ENCOURAGED! Please include these with your form!

REMEMBER TO SIGN THE FIELD RULES!!!

Please send to: RMSA
 C/O Bob Rice
 1123 S. Oakland St.
 Aurora, CO 80012

ROCKY MOUNTAIN SOARING ASSOCIATION FIELD RULES

1. The sod farm operations take precedence over **ALL** activities. We use the field at the convenience of the owner.
2. All members will follow **ALL** instructions from **ANY** sod farm personnel without question.
3. When sod farm operations are occurring during a flying session it is **OUR** responsibility to ensure that we will not interfere with operations. If it is unclear as to what is happening or where they intend to mow or work try to talk to workers or management and always move equipment or vacate the premises if necessary. Some workers do not speak very good English – in that case you must make every effort to avoid conflict or interference with operations.
4. Park only in the designated parking areas Do not park on grass, dirt or roads.
5. Avoid setting up on newly seeded areas or young grassy areas. The nice grassy areas are better to land on anyway!
6. Establish a frequency control pole and tag system! Frequency control is to be in effect at all times!! All members will post their frequency control tags on the pole and if there are conflicts, please exercise safety sense as well as share the flight time.
7. Parking and pit areas should be as condensed as possible for the safety of launch and landing.
8. Establish flight line areas for winch launch, high start launch, and hand launch that are separate for the sake of launch, flight & landing safety.
9. Flying over the parking/pit areas at less than 30 feet is prohibited. Doing so in competition WILL result in a zero flight score and during R/R flying a disciplinary action by the club.
10. No aerobatics or speed runs over the parking/pit/Launch/Landing zones.
11. Do not launch if a plane is circling in a launch zone: vacate the launch zone as soon as possible if someone is waiting to launch.
12. When entering a thermal occupied by other aircraft, enter in the same direction as the first aircraft
13. Landing aircraft have the right of way!
14. In the event of no mechanical retriever, please shag your own chute/line for the flight
15. Please share the usage of club equipment so that all have equal flight time.
16. Please be courteous and helpful to your fellow flyers as well as informative to all guests/spectators. Enjoy yourself and others!!
17. Absolutely no debris or trash is to be left on the field! Please take it home with you for disposal.
18. Make sure that your plane and electronics are airworthy before each flight. Exercise good safety sense in your flight
19. The aircraft will have an identification name/address or AMA number on or in the model in case of loss.
20. You **MUST** tag your winch/high start spikes or stakes with fluorescent tape so they are easily spotted on the field by all concerned. Members may be fined \$10 for each stake or nail not so marked. Previous damage to sod farm equipment from spikes left in the ground have made this rule **EXTREMELY** important.
21. Absolutely no alcoholic beverages will be consumed, prior to or during participation in any model event on the flying field.

I understand and will comply with all RMSA field rules:

Signature

2005 RMSA Contest/Event Calendar

Date	Type	CD	Name/Notes
<i>January 22</i>	<i>Open (PPSS)</i>	<i>Joel Zellmer</i>	<i>Fun Fly</i>
February 1	RMSA Meeting		
February 5-6			<i>SWC - Phoenix</i>
<i>February 19</i>	<i>RES (PPSS)</i>	<i>Greg Tarca</i>	<i>Snow Fly</i>
March 1	RMSA Meeting		
March 6	Pro/Am	Jim Monaco	
March 13	Open*	Jon Padilla	F3J with Winches
<i>March 20</i>	<i>Open (PPSS)</i>	<i>Mike Fritz</i>	<i>March Madness</i>
April 2	RES	Dr. Dan Williams	
April 5	RMSA Meeting		
April 10	Open*	Don Ingram	
April 17	F5J	Lenny Keer	Electric Event
<i>April 24</i>	<i>RES (PPSS)</i>	<i>Chris Keller</i>	<i>Humps and Bumps</i>
May 3	RMSA Meeting		
May 7	Open*	Bob Moffett	SATURDAY Event
May 21	HLG**	John Kappus	
<i>May 21</i>	<i>Open (PPSS)</i>	<i>Austin Cleis</i>	<i>May Fly</i>
May 28-29	F3J in the Rockies*	Mark Howard	
June 4-5			IHLG - California Event
June 4	Scale Fest	Lenny Keer	
<i>June 4</i>	<i>Electric</i>	<i>John Read</i>	<i>Watts O' Fun</i>
June 7	RMSA Meeting		
June 12	Open*	Rich O'Connell	
<i>June 25</i>	<i>RE (PPSS) !</i>	<i>Dave Kurth</i>	<i>Memorial</i>
June 25	HLG**	John Kappus	Tentative (Held ONLY if USA F3J Bid Approved)
June 26	F5J	Lenny Keer	
July 5	RMSA Meeting		
July 10	Open*	Bob Vixie	
July 17	HLG**	John Kappus	
July 22-29			<i>Soaring NATS - Muncie ID</i>
<i>July 24</i>	<i>Open (PPSS)</i>	<i>Bob Avery</i>	<i>Height O' the Season</i>
July 30	RES	Dr. Dan Williams	
August 2	RMSA Meeting		
<i>August 6</i>	<i>Open (PPSS)</i>	<i>Greg Tarca</i>	<i>Howling Coyote (night fly)</i>
August 7	Open*	Jim Monaco	
August 14	HLG**	John Kappus	Tentative (Cancelled if USA F3J Bid Approved)
August 19-21	US F3J Team Selections	Byron Blakeslee	Tentative Pending Site Selection
<i>August 21</i>	<i>RES (PPSS)</i>	<i>Austin Cleis</i>	<i>Dog Daze</i>
September 6	RMSA Meeting		
September 11	Open*	Bob Rice	Colorado Challenge Cup
September 17	HLG**	John Kappus	
September 18	Scienturfc Appreciation Day		Also Family Day
<i>September 24</i>	<i>Open (PPSS)</i>	<i>Chris Keller</i>	<i>Soar Bash</i>
September 25	RES	Dr. Dan Williams	
<i>October 1</i>	<i>HLG (PPSS)</i>	<i>Gus Gustafson</i>	<i>Fall Fling</i>
October 1-2			<i>Visalia Fall Fest</i>
October 4	RMSA Meeting		
October 9	Open*	Mike Verzuh	
<i>October 22</i>	<i>RES (PPSS)</i>	<i>Dave Meyers</i>	<i>Witches Brew</i>
October 29	RES	Dr. Dan Williams	
November 1	RMSA Meeting		
November 6	Open*	Tony O'Hara	
<i>November 20</i>	<i>Open (PPSS)</i>	<i>John Read</i>	<i>Turkey Shoot</i>
December 3	Barn Fly	John Read	PPSS Members Only
December 11	RMSA Banquet		

*Club Open points contest (Best 6 Scores)

**Club HLG points contest (Best 3 including the PPSS HLG event)

Italics indicates PPSS events held at their location



2005 Board Members

President:	Jim Monaco	(303) 464-9895	JimMonaco@earthlink.net
Vice President:	Mike Verzuh	(970) 532-0638	mailto:mike@verzuh.com
Secretary:	Bob Rice	(303) 745-5629	mailto:brice@p2es.com
Treasurer:	John Pearson	(303) 306-6800	mailto:JTP1006@earthlink.net
Past President:	Dr. Danny Williams	(303) 903-2291	drdandc@juno.com

Member Support

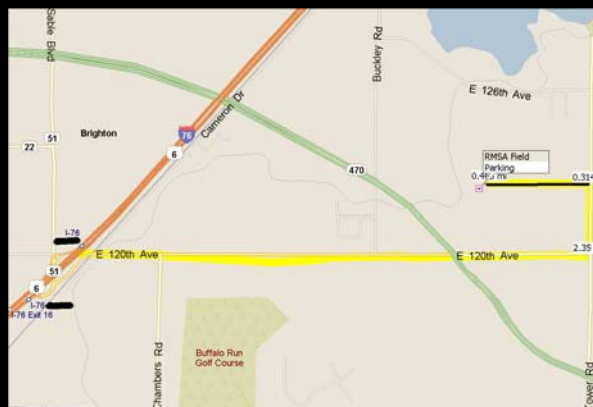
<http://www.rmsadenver.com>

Chief

Instructor:	Jack Zika	(303) 279-1549	(303) 505-9488 (Pager)
Instructor:	Mark Howard	(303) 278-7519	MHoward@spaceimaging.com
F3B/F3J:	Mark Howard	(303) 278-7519	MHoward@spaceimaging.com
Librarian:	Tracy Cochran	(303) 934-8838	Tcochran@idcomm.com
Newsletter:	John Kappus	(303) 861-7121	john.kappus@alum.mit.edu
	Mark Howard	(303) 278-7519	MHoward@spaceimaging.com

Winch Master

Mike Verzuh	(970) 532-0638	mailto:mike@verzuh.com
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Directions to Field

Take I-76 to exit 16. Turn left and follow the frontage road to the stoplight and turn east onto 120th eastbound towards the airport. Take 120th East to Tower Rd. Turn left (North) on Tower. Look for a left turn onto a dirt access road on the North side of the sod farm. We are on the Northwest corner of that part of the sod farm.

Flying for RMSA members and accompanied guests only.



Rocky Mountain Soaring Association
1123 S. Oakland St
Aurora CO 80012

First Class Mail

Forwarding Address Requested