



# Thermals

Newsletter of the Rocky Mountain Soaring Association



*Shannon on a low bowling approach*

May 2000

AMA Chartered Club 1245

Volume XXIV Number 5

## President's Message

### THANKSGIVING IN MAY

I'm declaring Summer – This may jinx the rest of the Spring and curse us with five weeks of wet weather and a foot of snow at the sod farm, but I'm declaring anyhow. This is the time of the year when all the priorities of weird single guys like me kind of get out of hand. What do I do this weekend? Go whitewater canoeing, mountain biking or go flying? Lately, flying seems to be winning out and I'm really enjoying what I'm doing lately given all the things that I've learned since I first picked up a transmitter a little over two years ago. Lately, I've been thinking about all I've gained from being a part of this club and all the kind and generous people I've met through my flying. I thought it might be kind of different to mention some of you folks at the start of the contest season since life goes by so fast and we might not think about it again until the year-end banquet.

First off, I'd like to thank Jack Zika. Mostly for being such a gentleman and teaching me how to fly. There are some things that can only be learned well from a professional teacher and I think flying is one of them. I think many of us owe a huge debt to this patient and persistent man who got us started.

Thanks Jack. Secondly, I'd like to thank Skip Miller, also for being such a good teacher, but more for his understanding of excellence. Skip's grasp of the fine points, the edge of the knife details that are critical to winning, is impossible to match. I've learned so much about models, equipment, technique and competitive strategy in the past year, that I can hardly believe it much less remember it all. Skip has also made models available to us that have drastically improved our flying. Nine of the top ten pilots from the last contest were flying models bought from Skip. Thanks Skip.

I'd like to thank Lenny Keer for his state-of-the-art building skills, flying expertise, equipment innovation and mostly for making soaring so much fun. The most laughs ever scored at a contest award has to go to Lenny's Zagi 400 fun fly. Trying to knock over a gallon jug in a 20 mph wind has to be the most fun I've had flying a model in a long time. The second most fun is watching Lenny chase after his little free flight model in the middle of a contest. Third most is waiting to see what Lenny is going to pull out of the back of his van next. Thanks Lenny. I'd like to thank Mark Howard for helping me understand the finer points of calling air and helping me understand some of the things that have been wrong with my flying. I think that calling is just as important and skill intensive as flying. The flow of communication and information that comes from your caller is critical – I'm a

### Next Meeting:

Date/Time: May 2, 2000 - 7:00PM

Location: Heli Port Hobbies  
1400 W 70 Ave  
Denver CO 80221-7023

See map in March 2000 Newsletter



# Rocky Mountain Soaring Association

better caller largely because of Mark's ability to identify what needs to be known by the pilot and when it needs to be known. I'm always proud to be asked to call for someone and Mark helped me hone this skill. Mark also has a knack for pointing out the dunderhead moves when other teachers might focus only on what I did right. This is valuable stuff and what most needs to be heard by an aspiring pilot. Thanks Mark.

Looks like I'm running out of space and time, so I'll speed things up. I'd like to thank Jim Monaco and Bob Rice for the energy and care that they have put into the club this year. Jim for scoring and newsletter publishing and Bob for keeping all the winch equipment working and both of you for the organizational expertise you have contributed. Thanks guys. I'd like to thank Don Ingram, Dusty, Jon Padilla, Charlie, and Bob and Kevin Moffet for being great friends, great competitors and great fun. And thanks to the rest of you guys too!

Now that everyone is all teary, I'd like to thank Gordon Jennings for calling for me at Visalia (even though he won't be able to read this - not that he's dead or anything, he just lives in California which is kind'uv like being dead if you think about it - the place catches fire every week, you can't breathe the air, its being sucked into the mantle of the earth by the San Andreas fault, etc.). Gordon also showed me the little trick where you turn with the rudder with your left thumb while keeping your model flat with the ailerons on your right thumb. I feel like the Emerald really climbs out when you roll in a little camber and turn the model flat using this technique. Gordon convinced me to throw away my rubber band and let my throttle stick swing free. I think this has worked well for me and I feel SO TOTALLY LIBERATED without my little rubber encumbrance. If you have made it out of the novice class and still have a big rubber on your throttle stick, try tossing it.

Well, there you go. Another late night, rambling discourse that I didn't think I had in me. I think its important to look around yourself every now and then and appreciate what you've got. This was one of those days for me. I hope you have a moment to do this sometime soon and will share that little bit of appreciation with someone you value. Good luck with those landings everybody. **Shannon.**

## For Sale

Dave Brown flight simulator. Includes install disk, "hangar" disk and "joystick" (transmitter box w/ 2 gymbals) -- \$50

Soaring Products "Thermic Sniffler" (Vario) Works great - With original Lafayette receiver on 49.845  
Real RC soaring nostalgia piece \$125

Multiplex spoilers NIB 14.5" -- \$30 (\$44.35 advertised price)

Airtronics Oly II kit - NIB - Never opened - never dented. \$65

Hobbico Accu-Cycle \$45

**Mark Howard**  
303 278-7519  
mark\_s\_howard@email.msn.com

## Slope Site Directions

Here are some directions to our local slope sites as well as best wind directions - courtesy of Mark Howard.

For east or south to southeast winds, try NCAR (National Center for Atmospheric Research). It's on the south side of town up Table Mesa Drive from Broadway. Park in the paved lot on the south side. NCAR is a destination for hikers and has lots of trails. You may see deer or other critters there.

If the wind is from the west or northwest - take Broadway south until it becomes Highway 93. Continue south on 93 past the turn off to Eldorado Springs (Hwy170) - then up the hill. Park on a turn-out before the hill crest for west winds. Continue over the crest of the hill and park if the wind is out of the north. You have to hike a bit if you fly there.

Another good spot for west winds is the "powerlines" site. To reach the powerlines, take Highway 93 south past the turn off to Eldorado Springs -- over the aforementioned hill and about another mile to Highway 128. Head East on Hwy 128 (towards the Jeffco Airport) a couple of miles until you crest a hill with electric transmission lines crossing the highway. At the top of the hill, turn left onto a dirt/gravel road which leads back to a parking area. If you intersect McCaslin, you've gone a bit too far. You have to fly from the west side of the parking area. Do NOT cross the fence to fly, or the local fuzz may make a stink. I don't think there is a problem crossing the fence to retrieve combat casualties, however. Big air at the powerlines when the wind is doing 15-20. It still works at 5 or better. NCAR works at 5 or better too, but the other slopes do not - they are good at 10 or more.

Head on south to Lakewood (West Denver) and Bear Creek Lake Park for some of the best slopin' this side of Torrey. BIG BIG air on the big dam and nice landing areas. There is a \$3 day access fee, however. Bear Creek works for anything but south winds. Bear Creek is just off the Morrison exit on C470 on the west side of Denver. If the wind is from the south, try the park on Green Mountain just north of Bear Creek Park. You have to work your way back up the hill to West Alameda Parkway from Morrison Road. The park is just off Alameda on the south-east side of Green Mountain. You can park, and fly your model up the hill as you hike to the top.



# Rocky Mountain Soaring Association

## Annual 2M Extravaganza Sunday April 30, 2000 CD Mark Howard

**Registration:** 8:00-8:45AM  
**Pilot's Meeting:** 8:45AM  
**First Round:** 9:00AM  
**Entry Fee:** \$5.00 (\$3.00 Jrs)

**Current (2000) AMA membership is required.**

Please be registered and have planes assembled by Pilot's Meeting

**Winchmasters:** Please be at the field by 8:00AM. If you are unable to attend please contact the CD to arrange to have your winch/retriever available

**Tasks:** T1 International Duration (MOM) – duration set according to conditions

**Landing:** AMA Runway Landing

## Spring Fling Sunday May 7, 2000 CD Bob Pederson

**Registration:** 8:00-8:45AM  
**Pilot's Meeting:** 8:45AM  
**First Round:** 9:00AM  
**Entry Fee:** \$5.00 (\$3.00 Jrs)

**Current (2000) AMA membership is required.**

Please be registered and have planes assembled by Pilot's Meeting

**Winchmasters:** Please be at the field by 8:00AM. If you are unable to attend please contact the CD to arrange to have your winch/retriever available

**Tasks:** 2 rounds of T1 International Duration (MOM) – duration set according to conditions  
1 round of Cumulative Duration (add-em-up)

**Landing:** L4 Spot Landing with AMA Tapes.



# Rocky Mountain Soaring Association

## **RMSA HLG SATURDAY May 13, 2000 CD Skip Miller**

**Registration:** 8:30-9:00AM  
**Pilot's Meeting:** 9:00AM  
**First Round:** 9:30PM  
**Entry Fee:** \$5.00 (\$3.00 Jrs)

**Current (2000) AMA membership is required.**

The handlaunch contest is on SATURDAY, May 13. (I don't schedule these things, I just inherit them). One thing for sure, it will be great fun.

I will announce tasks at pilots meeting; It will be "The best of the best" format from the best tasks of the International and AMA Nationals. You can have a designated thrower, can change aircraft during a round (and if you fly in a round with Shannon, "I can midair you twice in 1 round Lenny", or myself you might need this option) and I will ATTEMPT to allow insulation for you to work with your caller/ thrower all day.

There will be a CASH AWARD for the top performance from a first time new competitor with 1 handlaunch contest experience or less, as well as a cash award for the top performance over age 50 competitor (I've excluded myself from this although fully qualified). I have scheduled perfect conditions for the day!! Come out, join in the fun, and take home some cash and some glory!!!

## **2nd Attempt...Zagi Spring Fest Fun Fly Sunday May 21, 2000 CD Lenny Keer**

Announcing a Zagi fun fly on Sunday, May 21st, 2000. Pilots meeting at 9:00. This is a one design event for the Trick Zagi 400 and guaranteed to be fun! Bring your stock Zagi, with the stock motor and prop. Batteries should be either 7 or 8 cells of 500-600 mah. We'll fly several different events including thermal duration, Zagi Limbo, and Zagi Bowling. The Zagi 400 goes together in a few evenings and flies great. If you get the complete kit it includes the plane, motor, prop, speed control, and battery. All you need is two servos and a receiver. Best prices I've seen are at Hobby Barn and Sheldons. Action Hobbies in Denver has them too. If there's enough interest we could have another Zagi Fun Fly later in the year, so come on out and join the fun! Any questions? Lenny Keer (Lenny970@AOL.com)



# Rocky Mountain Soaring Association

## F3B in the Rockies Saturday and Sunday May 27-28, 2000 CD Mark Howard

### Tentative Schedule

Pilot's meeting 8:30 am Saturday  
First Flight Group 8:30 am Sunday

### SATURDAY

9:00 - am - 12:00 pm DURATION  
12:00 pm - 3:00 pm DISTANCE  
3:00 pm - 5:00 pm SPEED  
7:00 pm - Dinner @ ?

### SUNDAY

8:30 - am - 11:30 pm DURATION  
11:30 am - 2:30 pm DISTANCE  
2:30 pm - 4:30 pm SPEED  
5:00 pm - Pilot's Meeting - Awards Presentation.

***YOU MUST PRE-REGISTER WITH MARK HOWARD TO FLY!!***  
***No on-site registration will be done....***

### Volunteers needed

As most of you are probably aware, RMSA is sponsoring a two-day full rules F3B contest May 27th and 28th. Our club will be in the national limelight. You may also know that F3B is a labor-intensive format, especially the distance task. I'm asking your support and help as an RMSA member and soaring enthusiast. We'll be needing help in several areas on Friday (practice day with Skip Miller) , Saturday, and Sunday:

We need volunteers to help set up and maintain the speed/distance course, as well as signal laps for distance and speed.

I'd like to have someone volunteer as a personal assistant to to run the lap counting / timing crew, and someone else to be responsible for setting up and maintaining the course.

Please call or e-mail me if you can help.

THANKS!

[Mark\\_s\\_howard@msn.com](mailto:Mark_s_howard@msn.com) 303 278-7519 H or 303 254-2099 W

### Winches Needed

Winchmasters - we need you to have the winches at the field BOTH Saturday and Sunday.

If you cannot bring a winch - please make arrangements. We will need two for practice on Friday as well.

I want to talk to each one of you individually to confirm your participation.

We are arranging an informal dinner on Saturday Night. We should have confirmation and maps at the field .



# Rocky Mountain Soaring Association

## RMSA Spring Zagi-Fest (first attempt) -- Lenny Keer

The first attempt to fly the RMSA Spring Zagi-Fest was April 2nd. Yes, I said the first attempt. (See May 21st contest announcement) Even if you weren't at the field you might remember that day. It started out overcast and calm and a little cool. As the contest got started it got a little warmer. Then, a few rays of sun battled with a few sprinkles of rain and the wind got steadily stronger. We finally declared defeat and ended the contest after three rounds. By the time we left the field the snow was starting to fly. Yep, spring flying in Colorado!

Despite the gloomy weather we had 6 pilots show up with Zagi 400's in hand. Bob Douglas was trying to psyche out the competition by demonstrating the power and speed of his franken-Zagi. Yes, a Zagi will climb vertically with a brushless motor on board! By then the rest of us were feeling slightly inadequate, but Bob brought out his stock Zagi 400 for the contest. Rounds one and two were thermal duration. The task was four minutes, including a one minute motor run to climb to altitude. The first group had some buoyancy air and easily made the time. A landing bonus was awarded for a hand catch at the end of the flight. It was fun to watch some flyers try to run up to catch their plane as it was coming in a little short. The rest of the groups had a little tougher time with the air, but it was scored man on man to keep it fair.

Round three was Zagi Bowling. Ten empty plastic milk bottles were set up in a bowling pin pattern. Each pilot got two attempts in each frame to knock down some pins. This was harder to do than you would think and there were lots of "gutter-balls" flown. By now the wind was picking up and we had to put a little water into each bottle to keep them in place. This also made them a little tougher to tip over. Since we didn't have time to bowl ten frames, we started everyone out with a perfect score for the first five frames, and then Zagi-bowled the second five. Even with this generous handicap, the scores only ranged from 120 to 126.

Round four was to be the Zagi limbo round. We just got started when the flying conditions deteriorated to the point that we called the contest over.

It really is too bad that the weather put a damper on this event. It was obvious from the level of laughter and "encouragement" from the sidelines that everyone was having a blast. Probably more fun than has ever been seen at a "contest". The Zagis proved to be tough birds. The cartwheels and ground flips were a constant source of entertainment! Total damage was a few broken props and everyone went home with a flyable airplane.

The final scores are posted below. Note that these are slightly different from the scoring done at the field and this is the correct version.

Lenny Keer	2997
Shannon Bingham	2968
Mark Howard	2855
Jim Monaco	2849
Bob Douglas	2591
Jeff Douglas	2528





# Rocky Mountain Soaring Association

## April Spring Thermal Report Jim Barr CD

23 flyers lined up to try their luck at the 2nd club contest of 2000. Here's a recap of the day: plenty of good up-air and lots of sudden down-air; down wind launches with great launches into a brisk wind on the next round and no wind launches late in the contest! We also saw plastic bags thermaling faster than competitors, several good examples of wing flutter, a flight with only one stab, a mid-air, several broken glass ships, a trio of Sailaires and numerous 10 minute flights at the absolute limit of visibility! Considering it all, you needed good all-around flying skills to do well in these varied conditions. The April Thermal Champ was Shannon Bingham, with a perfect score! Lenny Keer and Skip Miller were close behind with less than 15 points separating the top 3 flyers. Phil Jones, with his Starlite didn't win a single round but scored high enough each round to capture first place in Sportsman. A great job was done by our winchmasters for keeping the equipment ready for contests with a full charge and good line! Special thanks to Jim Monaco for his computer program which creates the flight groups, shag order, scores in each round and contest totals! **Jim Barr**

## April Contest Results

Date: April 10, 2000

ID	Class	Name	RD 1	RD 2	RD 3	RD 4	RD 5	Total	Norm by Contest	Norm by Class
<b>N Novice</b>										
7	N	Matt Curtis	831.82	396.45	538.90	460.34	885.29	3,112.81	622.56	1,000.00
<b>S Sportsman</b>										
9	S	Phil Jones	988.99	843.24	871.11	971.98	997.08	4,672.40	934.48	1,000.00
3	s	Gary Lewan	1,000.00	660.90	1,000.00	882.01	997.01	4,539.91	907.98	971.64
21	S	Bob Hatch	899.55	862.82	674.16			2,436.53	487.31	521.47
15	S	Bob Johnson	672.65	488.20	730.34	189.66	260.06	2,340.90	468.18	501.01
14	S	Marc Monaco	705.60			239.77	1,000.00	1,945.36	389.07	416.35
24	S	Jack Oliphant		163.34	528.89	176.99	499.28	1,368.50	273.70	292.89
23	S	Gene Oxenrider								
<b>M Masters</b>										
10	M	Shannon Bingham	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	5,000.00	1,000.00	1,000.00
17	M	Lenny Keer	1,000.00	1,000.00	995.62	1,000.00	1,000.00	4,995.62	999.12	999.12
20	M	Skip Miller	993.39	991.89	1,000.00	1,000.00	1,000.00	4,985.28	997.06	997.06
4	M	Byron Blakeslee	1,000.00	921.96	998.54	1,000.00	869.12	4,789.62	957.92	957.92
19	M	Dusty Miller	761.56	1,000.00	1,000.00	1,000.00	1,000.00	4,761.56	952.31	952.31
22	M	Bob Lewan	1,000.00	980.97	754.45	997.11	997.01	4,729.54	945.91	945.91
13	M	Jim Monaco	959.37	1,000.00	693.95	854.26	989.87	4,497.44	899.49	899.49
11	M	Bob Douglas	829.60	627.36	972.26	836.28	995.63	4,261.13	852.23	852.23
18	M	Mark Howard	930.02	1,000.00	1,000.00	190.06	961.21	4,081.29	816.26	816.26
16	M	Don Ingram	936.74	1,000.00	848.70	358.30	929.41	4,073.15	814.63	814.63
8	M	Bob Moffett	1,000.00	967.51	466.19	698.28	688.62	3,820.60	764.12	764.12
12	M	Charlie Miller	1,000.00		1,000.00	1,000.00	744.35	3,744.35	748.87	748.87
6	M	Bob Rice	801.34	854.05	446.69	920.63	566.96	3,589.67	717.93	717.93
2	m	Jack Zika	788.55	628.03	617.78	237.46	1,000.00	3,271.81	654.36	654.36
1	m	Jim Barr	818.18	722.02	611.27	1,000.00		3,151.48	630.30	630.30
5	M	Robert Pederson	417.61	900.94	841.04	352.34	239.94	2,751.87	550.37	550.37



# Rocky Mountain Soaring Association

## April Hand Launch Contest Report Shannon Bingham, Substitute CD

The April HLG contest was held on Sunday the 16<sup>th</sup> with a nice turnout & lots of fun had by all. This was the first contest I've ever conducted as CD so I had a lot of learning to do. After figuring I'd wing it, I bought four traffic cones at McGuckin, grabbed a big piece of plotter paper out of the trash at work & a calculator. As I was heading for the field, I was hoping the roughly 2 inches of snow on the ground in Boulder would either not exist at the sod farm or melt by 10. Had a new Maple Leaf Mirage that I had just finished Friday morning all charged up & ready to go. The field turned out to be a little slippery at 8:15, so I declared a pilots meeting at 9:45 & tentative start just after 10:00. We flew the day 1 tasks from the International Hand Launch Glider Festival to be held in June in Poway, CA. Figured this would be a good warm up for that contest & given a brief pilots meeting before each round, everyone quickly understood the tasks. The field boundary included lots of dirt just east of the parking area in order to preserve the sod & allow better footing as the light snow melted. By 10:00, most of the snow had melted & the grass / dirt field gave the pilots lots to work with in the search for thermals. Skip took an early lead which he never relinquished with Charley, Lenny & myself nipping at his stabs.

We started with the ladder task which requires flights of 10, 15, 20 ect precision duration flights – this one really works on your sense of timing & energy management. As the day progressed, the machine to beat was the Maple Leaf Mirage flown by Skip & myself. This model seems to do everything well except come down out of the sky. Charley gave us all a look at the DJ Aerotech Spectre which hangs well, but can be fragile. Charley can really fly this machine well – keep an eye on him. Jeff Berg flew a Brian Buass Feather which was also a very interesting & nice flying model with five servos including a flap. Lenny continues the search for the perfect four-servo machine & is getting his locally-manufactured bird tuned nicely. Bob Lewan, who actually has the perfect four-servo machine, flew a Maple Leaf Encore 6063 – man do they come back from back of beyond. Everyone seemed to be flying well including Byron with Jeff as designated thrower. If you haven't tried hand launch, you're missing out on lots of fun & you don't have to throw your own model according to Torrey Pines Gulls rules for the International Junior & Eagle classes – everyone can be competitive even if you don't throw like Charley. There were quite a few well-survived mid-air, several initiated by me, which kept things interesting. The lift seemed to be generated by the road a lot of the time in the morning & then kicked by the pit / parking areas after noon. The east wind cooperated until about 1:30 when about an 8 MPH blow started. We flew until 2:30 in fair lift for rounds 1 – 5, sucky lift in round 6. 6B was the “scramble” round with Gary, Jack, Lenny & myself searching for non-existent lift. Jeff finally won the battle of the bad air in that round. The scores were man-on-man, normalized by flight group with flight groups manually shuffled after each round to keep it fair. I'm ashamed to admit we didn't use a computer. After the contest the wind really kicked in. We switched to aileron models & had fun playing last man down – yes, Skip won that too. Thanks to Barb Keer & Randy Cheshire for helping with working time & calling for the odd pilot (Me). Looking forward to the next HLG event – check the schedule. Your faithful, substitute, not AMA eligible CD - **Shannon**

### April Hand Launch Scores

Name	Round 1 - Flight Group	Round 1 - Time	Round 1 - Score	Round 2 - Flight Group	Round 2 - Time	Round 2 - Score	Round 3 - Flight Group	Round 3 - Time	Round 3 - Score	Round 4 - Flight Group	Round 4 - Time	Round 4 - Score	Round 5 - Flight Group	Round 5 - Time	Round 5 - Score	Round 6 - Flight Group	Round 6 - Time	Round 6 - Score	TOTAL SCORE	PLACE
Skip Miller	B	:60	1000	A	433	1000	B	469	1000	B	440	1000	A	574	1000	A	406	1000	<b>6000</b>	<b>1</b>
Shannon Bingham	B	:60	1000	B	437	1000	B	449	957	A	439	1000	A	505	880	B	249	912	<b>5749</b>	<b>2</b>
Charlie Miller	A	:60	1000	A	400	924	A	418	919	B	333	757	B	408	786	A	379	933	<b>5319</b>	<b>3</b>
Lenny Keer	A	:60	1000	B	385	881	A	446	980	A	283	645	B	519	1000	B	211	773	<b>5279</b>	<b>4</b>
Jeff Berg	B	:50	833	B	369	844	A	442	971	B	223	507	A	504	878	B	273	1000	<b>5033</b>	<b>5</b>
Byron Blakesley	A	:50	833	A	338	781	B	383	817	A	425	968	B	367	707	A	323	796	<b>4902</b>	<b>6</b>
Jack Zika	B	:50	833	B	344	787	A	455	1000	A	376	856	A	399	695	B	166	608	<b>4779</b>	<b>7</b>
Bob Lewan	A	:50	833	A	374	864	A	336	738	B	222	505	B	387	746	A	316	778	<b>4464</b>	<b>8</b>
Gary Lewan	B	:45	750	B	250	572	B	373	795	A	218	497	A	229	399	B	155	568	<b>3581</b>	<b>9</b>

### Tasks

Round	Window	Throws	Objective
1	10	Unlimited	The most number of flights in the following sequence: :10, :15, :20, :25, :30, :35, :40, :45, :50, :55, 1:00, 1:05, 1:10
2	8	Unlimited	Eight longest flights - one minute max time per flight
3	8	8	Total time - two minute max time per flight
4	10	Unlimited	A one, two, three, and four minute flight (any order)
5	10	8	Total time - three minute max time per flight.
6	8	Unlimited	Four longest flights - two minute max time per flight

### Models Flown

Skip	Mirage
Shannon	Mirage
Charlie	Spectre / Monarch
Lenny	John Kappus Design
Jeff	Feather / Simply the Best
Byron	Carbon D-Light
Jack	Maple Leaf 4 / Climax
Bob	Encore
Gary	Monarch?



# Rocky Mountain Soaring Association

## 2000 RMSA Contest/Event Calendar

Date	Event	CD	Notes
Jan. 4	RMSA Meeting		
Feb. 1	RMSA Meeting		
Feb 4-6	<i>Southwest Classic</i>		<i>CASL Southwest Classic - Phoenix AZ</i>
Mar. 7	RMSA Meeting		
<b>Mar. 12</b>	<b>Open*</b>	<b>Lenny Keer</b>	
<b>Mar. 19</b>	<b>Pro-Am</b>	<b>Jim Monaco</b>	<b>Third annual Pro-Am</b>
<i>Mar. 26</i>	<i>PPSS - Open</i>	<i>Joel Zelmer</i>	<i>March Madness</i>
<b>April 2</b>	<b>E-ZAGI Fun Fly</b>	<b>Lenny Keer</b>	
<b>Apr. 4</b>	<b>RMSA Meeting</b>		
<b>Apr. 9</b>	<b>Open*</b>	<b>Jim Barr</b>	
<b>Apr. 16</b>	<b>HLG**</b>	<b>Shannon Bingham</b>	
<i>Apr. 23</i>	<i>PPSS - RES</i>	<i>Greg Tarcza</i>	<i>Humps 'n Bumps</i>
<b>April 30</b>	<b>2M*</b>	<b>Mark Howard</b>	<b>Restricted to 2 meter models</b>
<b>May 2</b>	<b>RMSA Meeting</b>		
<b>May 7</b>	<b>Open*</b>	<b>Bob Pederson</b>	
<b>May 13</b>	<b>HLG**</b>	<b>Skip Miller</b>	<b>Saturday event</b>
<i>May 20</i>	<i>PPSS - Open</i>	<i>Austin Cleis</i>	<i>May Fly Contest</i>
<b>May 21</b>	<b>E-ZAGI Fun Fly</b>	<b>Lenny Keer</b>	<b>Another attempt</b>
<b>May 27-28</b>	<b>F3B</b>	<b>Mark Howard</b>	<b>National Level Open</b>
<i>June 3-4</i>	<i>IHLG</i>		<i>International HL Contest Torrey Pines CA</i>
<b>June 6</b>	<b>RMSA Meeting</b>		
<i>June 10</i>	<i>PPSS - 2M</i>	<i>John Read</i>	<i>First Annual Memorial Cup</i>
<b>June 11</b>	<b>Open*</b>	<b>Bob Rice</b>	
<b>June 17</b>	<b>HLG**</b>	<b>Lenny Keer</b>	<b>Saturday event</b>
<b>June 18</b>	<b>RES†</b>	<b>Shannon Bingham</b>	<b>Rudder/Elevator/Spoiler only</b>
<i>June 24</i>	<i>PPSS - RES</i>	<i>Jack Dech</i>	<i>Summer Solstice</i>
<b>July 1</b>	<b>RES†</b>	<b>Rick Housden</b>	<b>Saturday event - Rudder/Elevator/Spoiler only</b>
<b>July 11</b>	<b>RMSA Meeting</b>		
<i>July 15</i>	<i>PPSS- HLG</i>	<i>Rich O'Connell</i>	<i>Upchuck HLG</i>
<b>July 16</b>	<b>Open*</b>	<b>Bob Lewan</b>	
<i>July 23</i>	<i>PPSS - Open</i>	<i>Dave Meyers</i>	<i>Height'o the Season</i>
<b>Aug. 1</b>	<b>RMSA Meeting</b>		
<i>Aug. 5</i>	<i>PPSS - Night Fly</i>	<i>Frank Deis</i>	<i>Any expendable plane</i>
<b>Aug. 6</b>	<b>Open*</b>	<b>Jim Monaco</b>	<b>Kinda-F3J</b>
<b>Aug 13</b>	<b>HLG**</b>	<b>Bob Lewan</b>	
<i>Aug. 20</i>	<i>PPSS - RES</i>	<i>Bob Avery</i>	<i>Dog Daze</i>
<b>Aug. 27</b>	<b>2M*</b>	<b>Mark Howard</b>	<b>Restricted to 2 meter models</b>
<b>Sept. 5</b>	<b>RMSA Meeting</b>		
<b>Sept. 10</b>	<b>Open*</b>	<b>Mike O'Hearn</b>	<b>AKA: Colorado Challenge Cup</b>
<b>Sept. 16</b>	<b>RES†</b>	<b>Rick Housden</b>	<b>Saturday event - Rudder/Elevator/Spoiler only</b>
<i>Sept. 23</i>	<i>PPSS - Open</i>	<i>Mike Fritz</i>	<i>Soar Bash</i>
<b>Oct. 3</b>	<b>RMSA Meeting</b>		
<i>Oct 7-8</i>	<i>Visalia</i>		<i>Visalia California</i>
<b>Oct. 15</b>	<b>Open*</b>	<b>Shannon Bingham</b>	
<i>Oct. 21</i>	<i>PPSS - RES</i>	<i>Milt Woodham</i>	<i>Witches Brew</i>
<b>Nov. 7</b>	<b>RMSA Meeting</b>		
<b>Nov. 12</b>	<b>Open</b>	<b>Bob Rice</b>	
<i>Nov. 19</i>	<i>PPSS - Open</i>	<i>Jerry Murphy</i>	<i>Turkey Shoot</i>
<b>Dec. 10</b>	<b>Awards Banquet</b>		

\*Club Open points contest    \*\* Club HLG points contest    † RES Triad Points  
 Italics indicates major national level contests available for points and PPSS events



**2000 Board Members**

<b>President:</b>	<b>Shannon Bingham</b>	<b>303-499-2314</b>	<b><a href="mailto:binghams@boulder.earthnet.net">binghams@boulder.earthnet.net</a></b>
<b>Vice President:</b>	<b>Jim Monaco</b>	<b>(303) 464-9895</b>	<b><a href="mailto:j.m.monaco@worldnet.att.net">j.m.monaco@worldnet.att.net</a></b>
<b>Secretary:</b>	<b>Bob Rice</b>	<b>(303) 745-5269</b>	<b><a href="mailto:bob.rice@tobin.com">bob.rice@tobin.com</a></b>
<b>Treasurer:</b>	<b>John Pearson</b>	<b>(303) 306-6800</b>	<b><a href="mailto:jp7120@aol.com">jp7120@aol.com</a></b>
<b>Past President:</b>	<b>Mike O'Hearn</b>	<b>(303) 693-6925</b>	<b><a href="mailto:m.o.hearn@worldnet.att.net">m.o.hearn@worldnet.att.net</a></b>

**Member Support**

<http://www.digithead.com/rmsa/files/rmsaframe.htm>

**Chief**

Instructor:	Jack Zika	(303) 279-1549	(303) 505-9488 (Pager)
Instructor:	Mark Howard	(303) 278-7519	<a href="mailto:Mhoward@spaceimaging.com">Mhoward@spaceimaging.com</a>
F3B/F3J:	Mark Howard	(303) 278-7519	<a href="mailto:Mhoward@spaceimaging.com">Mhoward@spaceimaging.com</a>
Librarian:	Tracy Cochran	(303) 934-8838	<a href="mailto:Tcochran@idcomm.com">Tcochran@idcomm.com</a>
Newsletter:	Jim Monaco	(303) 464-9895	<a href="mailto:j.m.monaco@worldnet.att.net">j.m.monaco@worldnet.att.net</a>

**Winch Masters**

Bob Rice	(303) 745-5629	<a href="mailto:Bob.rice@tobin.com">Bob.rice@tobin.com</a>
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Shannon Bingham	(720) 304-7474	<a href="mailto:binghams@boulder.earthnet.net">binghams@boulder.earthnet.net</a>
Gary Lewan	(303) 277-1375	



**Directions to Field**

Take I-76 to exit 16. Turn left and follow the frontage road through the circle onto 120<sup>th</sup> eastbound towards the airport. Take 120<sup>th</sup> East to Tower Rd. Continue straight through traffic light and look for the sod sprinkler on the left. We are on the southwest 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*