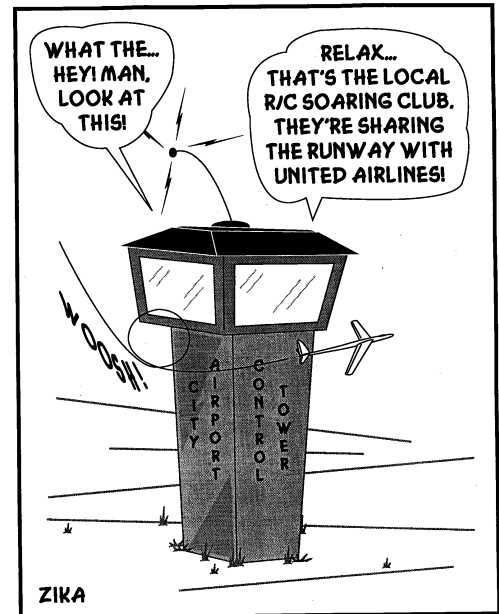


# Thermals

Newsletter of the Rocky Mountain Soaring Association



February 2000

AMA Chartered Club 1245

Volume XXIV Number 2

## President's Message

**Happy New Year!** I hope everyone had a memorable celebration to ring in the new millennium. I certainly enjoyed mine and was able to sneak away to San Diego for a few days to do a little slope, hand launch and thermal flying. There's nothing like a smooth ocean breeze and a new Climax Pro to put all of this Y2K stuff into perspective. As I write this, I'm rushing to get ready for the contest season. I guess building season didn't last very long. The first PPSS contest is Saturday, January 22<sup>nd</sup> and the Southwest Classic (SWC) is February 5<sup>th</sup> and 6<sup>th</sup>. I think we will have the best SWC turnout with seven RMSA and Seven PPSS pilots making the trip to Phoenix. The Dave Thornberg Sunbird HLG contest will be the 4<sup>th</sup> with most Colorado pilots participating either in Dave's original rules or the Sunbird one-design. I guess a few of us built Sunbirds for the contest. Lenny's is a work of art, but boy am I glad that we have composites at our disposal. The

### Renew Now!!

**This is your last issue of the newsletter if you have not renewed your membership. Please renew promptly to ensure uninterrupted delivery of your newsletter!**

year is shaping up nicely with lots of interest in the many events available to soaring pilots. The International Hand Launch Glider Festival 2000 dates have been announced as June 3<sup>rd</sup> and 4<sup>th</sup> and the Visalia Fall Festival will be the October 7<sup>th</sup> & 8<sup>th</sup> 2000. The AMA Soaring Nats are right around the corner scheduled the week of July 22-29 and who would miss the Zagi 400 funfly? Already, lots of interest is developing around Marks F3B contest with some the west coast guys planning to come out. The Saturday fun flies that we occasionally have at the Cherryvale Field have also been well attended and soon we will be spending more time at the Brighton field as the wind threat lessens.

However, our recent club meetings have been a stark contrast. I think the loss of our traditional meeting space has resulted in limited attendance at meetings. Unfortunately, places, which are located in the I-70 corridor, which seems to be the centroid of our membership, have little free meeting space. Places like Zang's Brewery require a \$300 minimum to reserve a banquet room and unfortunately,

## Next Meeting:

**Date/Time:** February 1, 2000

**Location:** Western Education and Public Planning  
1803 So. Foothills Hwy Suite 102  
Boulder, Colorado  
SEE MAP INSIDE



# Rocky Mountain Soaring Association

you folks don't drink that much beer. Until we find an alternative, we will continue to meet at my (Boulder) office. At the last meeting, several executive decisions were made. We decided to purchase a fifth winch to insure that our contests keep their man-on-man structure. We got a good deal on a winch identical to our own from a club member. This purchase will serve us well. However, our efforts to acquire "real balls" continue to suffer from fiscal realities. Accordingly, I would like to ask every pilot who flies competitively to consider pledging \$10 to outfit all five winches with "real balls". This would preserve battery condition during busy contests, provide smoother, stronger launches, preserve the winch motors and establish parity with most of the other large competitive clubs which mostly all have them. Please send your contributions to my mailing address or send your pledge to my e-mail and I'll collect from you next time I see you.

Other decisions made include a potential new recommended approach for contest trophies. This new system would award a standard RMSA plaque to each 1<sup>st</sup> through 3<sup>rd</sup> place contest winner for the year in each class and subsequent wins would be rewarded with a gold "additional event plate" to be added to that person's trophy for the year. So a person who placed in any contest would get one plaque, but additional contests would be commemorated on the same plaque with an additional metal inscription. This is an idea, which might be more cost effective and allow some contest revenue to be returned to club coffers to maintain club equipment. This idea is only a recommended approach and could be reversed by any CD who chooses a different approach. During the January meeting, we also decided to buy a club banner (everybody else has one) and decided that club leadership would push for sanctioning RES competition. Many of you have expressed interest in the Rudder-

Elevator-Spoiler class and some rather "techno" looking models have been showing up at RES events both locally and nationally. Interest in RES nationally is at an all-time high. Accordingly, the attendees of the January meeting suggest that the club vote on this issue in time to allow the first RES event to be one that would count toward year-end point totals.

So there you go. Another jam-packed RMSA newsletter to whet your appetite for that rising hot air. As the year progresses, please let Jim and I know how we are doing. We want to do our best to see everyone get as much out of our hobby and our club as possible. Based on the enthusiasm that I've seen so far on the field, we are off to a great start. Lets try to get some more bodies to those meetings.

Regards, Shannon.

## February Club Business

**RES Contest Status** - It is expected that the membership will vote to determine if RES contests should count for club open class points. Informal discussions seem to indicate a desire for this to happen. If you have an opinion and would like to vote - please attend the February meeting.

**Discussion of Real Balls** - The board will present a solicitation for contributions towards the "Real Balls Fund" to equip the contest winches with Real Balls endplates.

**Discussion of Outside Contest Qualifications** - There appears to be some confusion as to what contests are eligible to be counted as scoring contests. Jim Monaco will discuss the current RMSA rules.

## Zagi Spring Fest Fun Fly

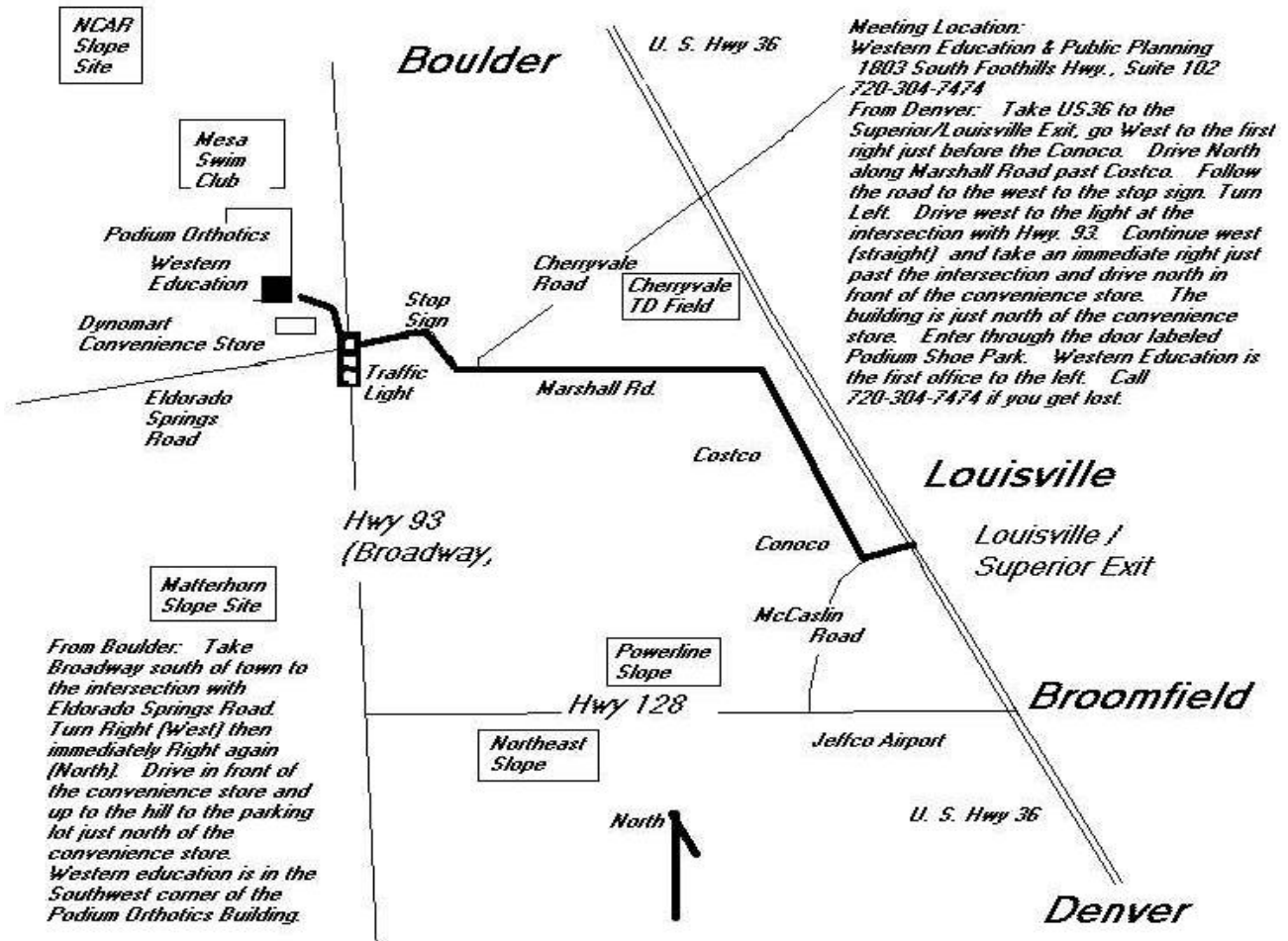
Announcing a Zagi fun fly on Sunday, April 2nd, 2000. This is a one design event for the Trick Zagi 400 and guaranteed to be fun! Bring your stock Zagi, with the stock motor and prop. Batteries should be either 7 or 8 cells of 500-600 mah. We'll fly several different events including thermal duration, 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. If there's enough interest we could have another Zagi Fun Fly later in the year, so come on out and join the fun!

Lenny Keer (Lenny970@AOL.com)



# Rocky Mountain Soaring Association

## Temporary RMSA Meeting Location



### For Sale

**Searcher 100"** - Full house v-tail composite model by Mark Kummerow. This one thermals particularly well, but should only be launched with a high start. Model flies like a big handlaunch. HS 85MG on Flaps, HS85BB's on Ruddervators, Airtronics 501's on ailerons. Three-piece wing and slip-on nosecone. Includes nominal launch damage at no extra charge. Really nice model for a high-start kind-of a guy. \$275.

**Helix 60" HLG** - Polyhedral composite HLG by Mark Kummerow. Beat up, but still out hangs the best. A good model for someone who wants a first composite HLG or just a first HLG. Lots of wing dings. Blue foam with carbon spar.

Removable balsa tail in x configuration. Still a nice flying competitive model. \$60.

**CR Fun One** - Nice flying one design slope racer. Nicely built. Includes 2 HS85BB servos in ailerons and Hobbico micro elevator servo. Removable tail, carbon pushrod. Travels well. - \$140.

**Two-meter beater** - Two piece wing and removable tail, all EPP, balsa stabs, aileron sloper includes two HiTec 205 Metal gear wing servos and a Artr 102 for elevator, battery and switch. Ready to fly, \$90.

**FMA Einstein Deluxe Charger / Cyclor** - Used 3 or 4 times. Two universal connectors. \$85.

**Shannon Bingham** - home: 303-499-2314.  
 binghams@boulder.earthnet.net



## For Sale

### SLEGER'S FAZER 2- METER

Fiberglass fuselage, Obecci covered foam wings and tail, 2#-HS-85MG flaps, 2#-HS- 205MG rudder and elevator, 2#-CS-26 ailerons, 600Mah battery pack. Excellent condition. \$350.00.

### MIDWEST ESSENCE 2-METER RES, V-TAIL

Built up balsa and ply. covered in ultracoat, 2#-Airtronics 94102 ruddervators, 1#-CS-30 spoilers. Good condition. \$100.00.

### MONARCH C HANDLAUNCH

2#-HS-50, 110Mah battery pack. Great condition. \$130.00.

All reasonable offers considered.

Bob Lewan Home 303-655-1649, Work 303-884-3142,

E-mail [jdicke2274@aol.com](mailto:jdicke2274@aol.com)

## For Sale

Need room in the hanger for new projects.

### Emerald

This one was built to be light. Has carbon pushrods and built up rudder and ready to fly weight of only 70 ounces. Set up for Volz Wing Max servos in the wing and Micro Max in the fuse. This is a super contest ship in perfect condition except for some minor cosmetic damage on the bottom of the wing. Complete Stylus program provided to the buyer. Airplane only, no radio included. \$550

### Dragonfly

Here's a ready to fly park flyer package. This is a super flier that almost seems to be in slow motion. Touch and goes at walking speed, and it thermals too! Comes with the speed 400 motor and prop, speed control, 8 cell battery pack, and servos. Just add your receiver and your flying. \$150

Lenny Keer -- [Lenny970@AOL.com](mailto:Lenny970@AOL.com), (970) 352-1194

## Getting Started With the Stylus By Tom Hoopes

I am assuming that your new plane has four servos in the wing and that you are using the glider card with the Stylus.

If so, you will want to use the 2A2FER template found in the wing-type menu. The left flap should be plugged into receiver channel #6 and right flap into receiver channel #5. Before messing around with launch menu, first make sure that all of the trims are centered, flap stick to the top of the transmitter, flight mode switch in normal position, both sliders pulled forward to their inactive position.

Second, go to the centering menu and make sure that all of the surfaces are initially set to 0%.

Third, make sure that ALL of the servos are moving the correct direction when the sticks are moved.

Fourth, move to the EPA menu and adjust the total travel close to their targeted movement.

Fifth, apply full landing stick and adjust right and/or left flap travel in the EPA menu until the flaps are deploying the desired amount. Push the flap stick back up to the inactive position.

Sixth, apply half of the camber travel with the left slider set at mid point. Scroll to the camber menu (CAMB) and adjust the aileron travel (LA/RA) until the ailerons match to the flaps. Leave the flap travel (LF/RF) alone at 100%. Move the slider through its full travel and verify that the ailerons and flaps are tracking in unison. When you're happy with the alignment, scroll to the EPA menu, last selection (CB-D) and with the left slider fully deployed (away from you) adjust the percentage until you achieve the desired camber travel.

Seventh, you did get the centering as close to zero mechanically as possible didn't you? If so, move to the centering menu and center everything.

You still need to setup the aileron-to-rudder mix, flap-to-elevator compensation, launch mode (camber, flap, elevator), reflex mode, and lock VRs that are active that you don't intend to use. Other than that, you should see everything working okay. If you get in a bind, I have a template that disables the "goofy" stuff, enables the proper functions as well as adding a few nice features (i.e. audible warning if camber is one while in reflex, landing practice cadence counter, landing disables launch mode, etc.) and normally takes about 10 minutes for a complete setup of a new plane. Let me know if you need the setup and I'll give you the details how to get your memory card to me.

Reprinted with permission of Tom Hoopes  
([oakley@xmission.com](mailto:oakley@xmission.com)).

## Paid Membership List

Note: if you have paid your dues and your name does not appear in this list - please contact Bob Rice to correct the records!

Full Name	Address	City	State	Zip	Phone	Work Phone	Ama
Wayne Angevine	4160 26th St.	Boulder	CO	80304	303-443-5165	303-497-3747	6502
Jim Barr	1255 Ivy St	Denver	CO	80220	303-355-3833	303-337-4743	594
Byron Blakeslee	1448 W. Briarwood Ave	Littleton	CO	80120	738-1104		6153
Tom Blatter	12969 W 55th Pl	Arvada	CO	80002	422-2239		380235
Jeff Burg	21059 E Belleview Pl	Aurora	CO	80015	303-627-9895	672-1307	62392
Tracy Cochran	690 S. Canosa Ct.	Denver	CO	80219	934-8838		261901
Matt Curtis	1767 S. Broadway #1	Denver	CO	80210	698-4376	722-6081	268554
Jack L. Dech	PO BOX 25188	Colorado Springs	CO	80936	719-590-7673	719-548-3287	2829
Philip DeLong	11283 N. Forest Dr.	Thornton	CO	80241	452-1038	303-420-2242	303044
Bob Douglas	4430 S. Utica St.	Denver	CO	80236	303-794-4004		5839
Bert Evans	5515 S. Olathe Ln.	Aurora	CO	80015	699-7163	427-5581	208350
Nathan Evans	5515 S. Olathe Ln.	Aurora	CO	80015	699-7163		210198
Dustin Evans	5515 S. Olathe Ln.	Aurora	CO	80015	699-7163		377561
Lloyd Fisher	7130 S. Reed Ct.	Littleton	CO	80128	303-933-7502	303-971-8826	99596
Bob Hatch	1035 Stoneham St	Superior	CO	80027	303-494-4508	303-661-7211	420619
Richard Housden	Box 883	Bennett	CO	80102	303-644-4012	303-799-0707	631917
Don Ingram	1345 Grant Ave	Louisville	CO	80027	303-666-9568	303-448-4521	589915
Phil Jones	9840 S. Concord Ct	Highlands Ranch	CO	80126	720-344-0307	303-397-3775	653305
John Kappus	851 Lafayette St.	Denver	CO	80218	303-861-7121	303-273-1400x333	135340
Tony Kay	565 S. Harrison Lane	Denver	CO	80209	303 778-9322	303 334-6123	220706
Lenny Keer	5013 W 9th St	Greeley	CO	80634	970-352-1194	970-395-1251	100318
Jim Keller	11607 E Wesley Ave	Aurora	CO	80014-1870	303-369-5847		335256
Fred Kuhns	4985 S. Eagle Cir.	Aurora	CO	80015-2215	699-7475		97282
Robert W Lewan	704 Locust Ave	Brighton	CO	80601	303-655-1649	303-261-9100	5428
Gary Lewan	1305 Quaker	Golden	CO	80401	303-277-1375	303-914-1774	543294
Raymond Marvin	2781 S. Garfield	Denver	CO	80210	303-756-7589		L77
Greg Merkle	11661 Decatur St Apt J303	Westminster	CO	80234-2582	303-410-1527	303-966-7316	618033
Skip Miller	4865 Fountain St.	Boulder	CO	80304-4331	442-6454	442-8642	22047
Dusty Miller	4865 Fountain St.	Boulder	CO	80304-4331	303-442-6454	303-442-8642	459745
Jim Monaco	103 Breckenridge Trail	Broomfield	CO	80020	303-464-9895	924-3393	4932
Marc Monaco	103 Breckenridge Trail	Broomfield	CO	80020	303-464-9895		543461
Jack Oliphant	1731 County Club Rd.	Ft. Collins	CO	80524	970-482-8884	970-898-4505	649965
John Pearson	2243 S. Olive St.	Denver	CO	80224	303-505-0755	303-306-6800	191017
Robert Pederson	7130 Sedona Hills Dr	Berthoud	CO	80513	970-532-3437	303-939-6942	1815
Don Port	711 Beech St.	Golden	CO	80401	303-232-8842		8832
Tom Powers	10361 Tennyson Ct.	Westminster	CO	80031		624-1677	108839
Peter Rackow	5425 S. Hoyt St	Littleton	CO	80123	303-973-9934		112455
Art Ries	2020 So. Monroe St. Apt 802	Denver	CO	80210	303-759-4383		488935
Matt Sheldon	7800 W 35th Ave #8	Wheat Ridge	CO	80033	303-445-9457	303-432-8259	1880
Leslie Sullivan	6531 Teller St	Arvada	CO	80003	303-421-9715		523457
Bill Thomas	Box 284	Otis	KS	67565	785-387-2577		6372
Dave Thompson	1740 W 102nd Ave	Denver	CO	80260-6386	303-438-5765		631272
Jim Waller	7322 W. 82nd Way	Arvada	CO	80003	303421-9061	303-460-5-37	634101
Paul Welschinger	2918 Benton St	Wheat Ridge	CO	80214	303-238-1944	303-583-0265	632520
M. J. Welschinger	7040 W. 20th Ave #104	Lakewood	CO	80215	303-238-4989		581263
Alan White	PO Box 1331	Evergreen	CO	80737	720-318-5577	720-318-5577	

# RMSA Membership Application

Please print this form locally -- fill out -- and mail in with the proper funds  
Family memberships -- please make a complete form for EACH flying family member

RENEWAL \_\_\_\_ NEW MEMBER \_\_\_\_ SPONSOR \_\_\_\_\_

**Please complete the following information for our records:**

Name : \_\_\_\_\_ Need name badge? No Yes  
Address (if new member or incorrect on label) 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: \_\_\_\_\_ E-mail delivery of Newsletter: Yes No  
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 -----

Frequencies you use \_\_\_\_\_

PLANE SPAN COLOR (Top,Bott.,Fuse) CLASS(Open,HLG,Std..) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Dues: \$ 5.00 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)

**Please send to:**  
**RMSA**  
**c/o Bob Rice**  
**1123 S. Oakland St.**  
**Aurora, CO 80012**

Make checks payable to RMSA  
**Comments and suggestions are ENCOURAGED! Please include these with your form!**

## 2000 RMSA Contest/Event Calendar

Date	Event	CD	Notes
Jan. 4	RMSA Meeting		
Feb. 1	RMSA Meeting		
<i>Feb 4-6</i>	<i>Southwest Classic</i>		<i>CASL Southwest Classic - Phoenix AZ</i>
Mar. 7	RMSA Meeting		
Mar. 12	Open*	Lenny Keer	
Mar. 19	Pro-Am	Jim Monaco	Third annual Pro-Am
Apr. 4	RMSA Meeting		
Apr. 9	Open*	Jim Barr	
Apr. 16	HLG**	Jack Zika	
April 30	2M*	Mark Howard	Restricted to 2 meter models
May 2	RMSA Meeting		
May 7	Open*	Bob Pederson	
May 13	HLG**	Skip Miller	Saturday event
May 27-28	F3B	Mark Howard	National Level Open
<i>June 3-4</i>	<i>IHLG</i>		<i>International HL Contest Torrey Pines CA</i>
June 6	RMSA Meeting		
June 11	Open*	Bob Rice	
June 17	HLG**	Lenny Keer	Saturday event
July 1	RES*?	Rick Housden	Saturday event - Rudder/Elevator/Spoiler only
July 11	RMSA Meeting		
July 16	Open*	Bob Lewan	
<i>July 22-29</i>	<i>Soaring NATs</i>		<i>Muncie Indiana</i>
Aug. 1	RMSA Meeting		
Aug. 6	Open*	Jim Monaco	Kinda-F3J
Aug 13	HLG**	Bob Lewan	
Aug. 27	2M*	Mark Howard	Restricted to 2 meter models
Sept. 5	RMSA Meeting		
Sept. 10	Open*	Mike O'Hearn	AKA: Colorado Challenge Cup
Sept. 16	RES*?	?	Saturday event
Oct. 3	RMSA Meeting		
<i>Oct 7-8</i>	<i>Visalia</i>		<i>Visalia California</i>
Oct. 15	Open*	Shannon Bingham	
Nov. 7	RMSA Meeting		
Nov. 12	Open	Bob Rice	
Dec. 10	Awards Banquet		

\*Club Open points contest

\*\* Club HLG points contest

\*? Potential Open points contest

**Italics indicates major national level contests available for points**



**1999 Board Members**

<b>President:</b>	<b>Shannon Bingham</b>	<b>303-584-0225</b>	<b>binghams@boulder.earthnet.net</b>
<b>Vice President:</b>	<b>Jim Monaco</b>	<b>(303) 464-9895</b>	<b>j.m.monaco@worldnet.att.net</b>
<b>Secretary:</b>	<b>Bob Rice</b>	<b>(303) 745-5269</b>	<b>bob.rice@tobin.com</b>
<b>Treasurer:</b>	<b>John Pearson</b>	<b>(303) 306-6800</b>	<b>jp7120@aol.com</b>
<b>Past President:</b>	<b>Mike O'Hearn</b>	<b>(303) 693-6925</b>	<b>m.o.hearn@worldnet.att.net</b>

**Member Support**

[www.homestead.com/rmsa/files/rmsaopen.html](http://www.homestead.com/rmsa/files/rmsaopen.html)

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>
Mike O'Hearn	(303) 693-6925	<a href="mailto:m.o.hearn@worldnet.att.net">m.o.hearn@worldnet.att.net</a>
Shannon Bingham	(303) 814-0571	<a href="mailto:binghams@boulder.earthnet.com">binghams@boulder.earthnet.com</a>
Gary Lewan	(303) 277-1375	



**Directions to Field**

Take I-76 to exit 17. 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*