



Thermals

Newsletter of the Rocky Mountain Soaring Association

August 2001

AMA Chartered Club 1245

Volume XXV Number 8

President's Message

Greetings from Muncie. The NATS again are a delight. After last years huge RMSA turnout at the NATS, Skip Miller and I were the only RMSA representatives this year. This year's contest involved rain on almost every day as huge thunderstorms tracked across southern Indiana. I have never seen it rain so hard for so long. Even given the weather, the expert AMA team pulled off the contests that we were involved in. Cross country was a blast, but weak lift limited everyone's performance. Skip was third with a flight of 13.3 miles and Paul Siegel was first with just over 30 miles.

F3J was a revelation. I was in first place at the end of the first six rounds after two spoiling rounds where the superior flight characteristics of the Emerald (yes, Emerald) buried everyone else. Skip provided some great calling and also made the flyoffs. After acquiring a tow team, thanks Steve, I finished 8th and Skip finished in the wood, but I don't remember his exact place.

Hand launch was also a revelation. I didn't have my tip launch model figured out until late in the contest, but once I did, there is no going back to the old launch technique. It is not as scary as I had feared and the launches are incredible. This really changed my attitude about the whole thing. I feel that I have discovered a whole new hobby. The one round where I had my act together, I won. Skip flew well and finished 6th, only three points away from 4th.

The new models are optimized for launch, but don't seem to fly as well as some of the "legacy" models such as the Mirage or Logic. Hang time seems to compensate. The models that seem to be the top four are the Raptor (Flies nice at sea level, designed and built by Brian Buass - raptorrc.com), the Taboo (Flies nice and probably will work at mile-high altitude given the squares, designed and built by our F3B friend Oleg Golovidov), the Exterminator Pro (Denny Maize - polecatereo.com) and the Logic (won the contest - Northeast Sailplanes - nesail.com). The Exterminator followed by the Logic were the hard launch machines and seemed to have the highest launches, but were ugly models. At 130 feet, though, they look pretty good.

Hope your summer is going well and looking forward to our upcoming contests.

Shannon

Next Meeting:

Date/Time: August 7, 2001 - 7:00PM

Location: Broomfield Advanced Chiropractic
26 Garden Ctr
Broomfield CO 80020-7012

PROGRAM:



Rocky Mountain Soaring Association

August Open Contest August 12, 2001 Jim Monaco - CD

Registration: 8:30-9:00 AM
Pilot's Meeting: 9:00 AM
First Flight: 9:30 AM
Entry Fee: \$5.00 (\$3.00 Juniors)

Current (2001) AMA membership is required.

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

Tasks: 5 Rounds of Kinda- F3J (See below for details)

Landing: Spot with FAI tapes

Pilots and spectators should bring lots of liquids, sunscreen and shade if they have it.

Winchmasters: Please be at the field by 8:30AM. *We will be loading the winches with new line. Please strip the winches of the current line before the contest.* If you are unable to attend please contact the CD to arrange to have your winch/retriever available

This will be another F3J with winches type event. I will be spacing the winches very far apart to attempt to avoid any launch carnage. There are no teams and I will be announcing random flight groups and retriever duties. Remember it is important to get the line back as quickly as possible in case a second launch attempt is needed. If a second launch IS attempted the same retriever must fetch the line AGAIN.

RMSA HLG Sunday August 19, 2001 John Kappus - CD

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 and must be shown when registering.

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

Tasks: To be announced at the pilot meeting



Rocky Mountain Soaring Association

Field Rules Reminder

Please remember to pick up ALL trash – this includes wing tape, pop cans, lunch bags etc. The pit area has been looking poorly lately. We have moved the trash can close to the pits, so there is no excuse for leaving trash laying around.

Website Changes

I will be putting an HTML version of the newsletter on the website for those members that cannot access the PDF version. The formatting is slightly different than the printed version, but it has all of the same data. The HTML pages will be in the NEWS section.
Jim Monaco

Summer Sizzler Open Class Contest Bob Pederson - CD

I got my sunburn for the year, did you get yours? Weather was great the entire day with light breezes with some good thermals and equally good (Bad?) sink. The wind stayed out of the Southwest most of the day so we didn't have to move winches. Two rounds of T1 thermal duration were flown MOM and then we flew one round of 15 minute add-em up. The T1 flight times were set at 7 minutes. As usual, landings decided the contest again with landing scores in the 90's required for all 5 flights to place.

There were a number of pop-offs during the contest. Some pilots were very aggressive on launch. This may have been because they were practicing for the upcoming Nationals. This meant some lost flight-times and a few low scores.

Joseph Newcomb, had an excellent day putting up some very respectable flight times and scoring some good landing points. Unfortunately, on his last landing, he pulled flaps at high speed coming in to the landing area and experienced a severe pitch-down that was terminal, very terminal. Was it flexing pushrods? Was it down-elevator compensation taking affect before the flaps drooped? Was it radio equipment failure? We may never know. I do know it was the subject of some very interesting analysis and conjecture both at the contest and on the RC Soaring Exchange for the next week. Sorry, Joseph. I heard you have a second ship ready to go so keep on trying.

Thanks go out to the winch masters for having the winches ready and to Jim Monaco for score keeping. Jim ran out of printer paper so he had to rip pages out of a notebook to print out the flight order and scores. Necessity is the Motherwell, you know the rest. Somebody get this guy some paper!

We had one instance of a near shoot-down when a pilot in the pits turned on without the frequency pin. Please, everyone, get the pin before you turn on. What was interesting in the whole thing is that Don Ingram, the affected pilot, completely stalled the winch and he didn't break the line or break his airplane (a Stratos, I think). It looked like the interfering signal caused Dons plane to go to full up elevator, which stalled the winch, but the plane didn't pop off. He got a great launch but started stalling after release.

Jon Padilla twice had a problem with an accelerated stall (that's my personal analysis), on launch with his Escape. He recovered on the first incident but the second one did him in. I hope he got his backup ship done in time for the Nats.

See below for the contest results. Congratulations to Masters winner, Dusty Miller. Bob Lewan came in Second in Masters while Phil Jones was Third. In Sportsman it was Bob Johnston in First, Dr. Dan Second, and Joe Newcomb in Third. Ryan O'Hara took First in Novice.

Bob Johnston also won the privilege of joining the MASTERS class based on his accumulation of points and wins. Congratulations Bob – Welcome to MASTERS...**Bob**



Rocky Mountain Soaring Association

July Open Results

Class	Name	RD 1	RD 2	RD 3	Total	Norm by Contest	Norm by Class
N	Novice						
N	Ryan O'hara	356	542	436	1333	446	1000
N	Art Ries						
S	Sportsman						
S	Bob Johnston	1000	973	888	2861	956	1000
S	Dr. Dan	669	934	523	2126	711	743
S	Joe Newcomb	376	781	877	2034	680	711
S	John Kappus	467	742	555	1764	590	617
M	Masters						
M	Dusty Miller	1000	1000	992	2992	1000	1000
M	Bob Lewan	973	1000	1000	2973	994	994
M	Phil Jones	1000	1000	960	2960	990	990
M	Shannon Bingham	1000	953	898	2851	953	953
M	Charlie Miller	815	982	991	2788	932	932
M	Byron Blakesley	806	1000	937	2743	917	917
M	Bob Moffett	648	1000	963	2611	873	873
M	Skip Miller	1000	597	992	2590	866	866
M	Lenny Keer	642	961	963	2566	858	858
M	Bob Pederson	630	945	937	2512	840	840
M	Jack Zika	595	843	954	2391	799	799
M	Don Ingram	602	728	971	2301	769	769
M	Jim Monaco	677	556	959	2191	732	732
M	Jon Padilla	945	990		1936	647	647
M	Bob Douglas	305	946	590	1841	615	615

LSF Coordinator Message

Well this will be a short note as this month has kept the everyone rather busy just trying to stay cool dry and not become a lightning rod in the afternoons . The Monsoon weather has kept most every body from doing more tasks. But Ali is just about done with his level two only needing some contest scores to finish it off, and I am almost done with my level four. We also have two new members that have started on there level one tasks.

There have been more and more people come up to me and tell me what level they are, So what I think what I am going to have to do is to put together a list of where everybody is and what they need for there next level just so everybody can see what is going on. So for the most part it has bee rather quite this month, but with the LSF NATS the end of July and the Rose Bowl the 28&29 of July this will be an interesting month after all.

Until next month. **Dr. Dan**



Rocky Mountain Soaring Association

For Sale

Daves Aircraft PF-6 Parkflier

This is an EPP wing, carbon fuse plane good for flying in confined spaces. I fly it from the street in front of my house. The carbon fiber landing gear is great for touch and goes in the street. I'm selling it for the kit price of \$75 but I'll also including the geared motor, speed control, and battery. Lenny Keer Lenny970@AOL.com (970) 352-1194

Twin Star

Always a great flyer, and this one is full of upgrades. Motors have been upgraded to 480's, stock wiring harness has been upgraded, extra wing spar added for greater strength. The stab has been made removable for travel, and the plane has been finished in a sort of Canadian Coast Guard paint scheme. Should make a good HLG tow plane too. Airplane and motors -- \$65. Servos and speed control also available if interested. Lenny Keer Lenny970@AOL.com (970) 352-1194

Thinking about F5B?

With the power for vertical climbs to thermal heights, very efficient soaring wings, and wide speed range, these birds may be the ultimate flying machine. A dozen climbs on a battery charge and no winch required. While this type of plane offers exhilarating performance, it can be somewhat intimidating to choose the right setup. In order to encourage interest in this, I have a used airframe that I'd like to offer to a club member that will put it to good use. It's not cosmetically perfect, but it is structurally sound. This is a full composite, hollow molded electric sailplane, ready to fly. What's the catch? A couple of conditions. First, you must be ready, willing, and able to purchase an appropriate brushless motor. I can point you in the right direction. Second, the servos are not included, but are available for sale. Third, you agree not to resell the plane. Any takers? Lenny Keer Lenny970@AOL.com (970) 352-1194

For Sale

Xantipa

Volz servos RTF \$395.00

Tom Gressman Office 303-744-3535 X3101 Home 303-979-8073 email tgressman@aol.com

RMSA Frequency List Update

I have list of most member frequencies, but it has not been updated in some time. Please take a look at the following lists and send me any updates – contact information is on the last page of this newsletter. The main purpose of the list is to attempt to show the frequencies in use so if you are currently conflicting with someone, or want to get a new frequency module, you may be able to select one that is not currently in use. Jim

Sorted by Frequency				Sorted by Name			
Lastname	Firstname	Freq	Activity Level	Lastname	Firstname	Freq	
Arthur	Mac	11	Not Active	Angevine	Wayne	52	
Miller	Charlie	11	Very Active	Arthur	Mac	11	
Miller	Dusty	12	Very Active	Arthur	Mac	17	
Miller	Skip	12	Very Active	Arthur	Mac	26	
Zika	Jack	12	Very Active	Barr	Jim	50	
Blakeslee	Byron	13	Very Active	Beggs	Bill	47	
Rice	Bob	13	Very Active	Bingham	Shannon	36	
Weigle	Phil	14	Semi-Active	Blakeslee	Byron	13	
Douglas	Jeff	15	Low Active	Butler	Buzz	24	
Weigle	Phil	15	Semi-Active	Butler	Jim	30	
Arthur	Mac	17	Not Active	Butler	Jim	35	
Miller	Charlie	17	Very Active	Cheshire	Randy	23	
Dech	Jack	18	Low Active	Clies	Austin	56	
Pearson	John	19	Semi-Active	Curtis	Matt	38	
Padilla	Jon	21	Active	Dech	Jack	18	



Rocky Mountain Soaring Association

Sorted by Frequency				Sorted by Name		
Lastname	Firstname	Freq	Activity Level	Lastname	Firstname	Freq
Keer	Lenny	22	Very Active	Dech	Jack	48
Cheshire	Randy	23	Active	Delong	Phil	34
Butler	Buzz	24	Not Active	Delong	Phil	49
Lewan	Bob	24	Very Active	Douglas	Bob	39
Moffat	Bob	25	Very Active	Douglas	Bob	49
Monaco	Marc	25	Very Active	Douglas	Jeff	15
Arthur	Mac	26	Not Active	Evans	Bert	45
Zika	Jack	26	Very Active	Evans	Dustan	45
Moffett	Bob	27	Very Active	Evans	Nathan	38
Moffett	Kevin	27	Very Active	Evans	Nathan	42
Johnson	Bob	29	Active	Hatch	Bob	59
Kappus	John	29	Very Active	Housden	Rick	30
Butler	Jim	30	Very Active	Howard	Mark	31
Housden	Rick	30	Very Active	Howard	Mark	51
Lewan	Gary	30	Very Active	Howard	Mark	55
Miller	Charles	30	Very Active	Howard	Mark	59
Howard	Mark	31	Very Active	Ingram	Don	32
Ingram	Don	32	Very Active	Johnson	Bob	29
Lewan	Bob	33	Very Active	Jones	Phil	54
Tivoni	Jack	33	Not Active	Kappus	John	29
Delong	Phil	34	Active	Keer	Lenny	22
Port	Don	34	Not Active	Keer	Lenny	38
Rice	Bob	34	Very Active	Lewan	Bob	24
Butler	Jim	35	Very Active	Lewan	Bob	33
Bingham	Shannon	36	Very Active	Lewan	Gary	30
O'Hearn	Mike	36	Low Active	Lewan	Gary	45
Oxenrider	Gene	37	Very Active	Lewan	Gary	47
Curtis	Matt	38	Very Active	Merkle	Greg	52
Evans	Nathan	38	Not Active	Merkle	Greg	56
Keer	Lenny	38	Very Active	Merkle	Greg	56
Douglas	Bob	39	Active	Miller	Charles	30
Monaco	Jim	40	Very Active	Miller	Charlie	11
Oliphant	Jack	41	Active	Miller	Charlie	17
Evans	Nathan	42	Not Active	Miller	Dustv	12
Miller	Skip	44	Very Active	Miller	Dusty	46
Padilla	Jon	44	Very Active	Miller	Dustv	53
Evans	Bert	45	Not Active	Miller	Skip	12
Evans	Dustan	45	Not Active	Miller	Skip	44
Lewan	Gary	45	Very Active	Miller	Skip	46
Miller	Dusty	46	Very Active	Miller	Skip	58
Miller	Skip	46	Very Active	Moffat	Bob	25
Beggs	Bill	47	Not Active	Moffett	Bob	27
Lewan	Gary	47	Very Active	Moffett	Kevin	27
Rice	Bob	47	Very Active	Moffett	Kevin	55
Dech	Jack	48	Low Active	Monaco	Jim	40
Sheldon	Matt	48	Active	Monaco	Jim	57
Delong	Phil	49	Active	Monaco	Marc	25
Douglas	Bob	49	Active	O'Hearn	Mike	36
Barr	Jim	50	Very Active	Oliphant	Jack	41
Howard	Mark	51	Very Active	Oxenrider	Gene	37
Angevine	Wayne	52	Active	Padilla	Jon	21
Merkle	Greg	52	Active	Padilla	Jon	44
Miller	Dusty	53	Very Active	Pearson	John	19
Pederson	Bob	53	Very Active	Pederson	Bob	53
Jones	Phil	54	Very Active	Pederson	Bob	60
Howard	Mark	55	Very Active	Port	Don	34



Rocky Mountain Soaring Association

Sorted by Frequency				Sorted by Name		
Lastname	Firstname	Freq	Activity Level	Lastname	Firstname	Freq
Moffett	Kevin	55	Very Active	Rice	Bob	13
Clies	Austin	56	Not Active	Rice	Bob	34
Merkle	Greg	56	Active	Rice	Bob	47
Merkle	Greg	56	Active	Sheldon	Matt	48
Monaco	Jim	57	Very Active	Tivoni	Jack	33
Miller	Skip	58	Very Active	Weigle	Phil	14
Hatch	Bob	59	Very Active	Weigle	Phil	15
Howard	Mark	59	Very Active	Wilder	Jeff	60
Pederson	Bob	60	Very Active	Zika	Jack	12
Wilder	Jeff	60	Not Active	Zika	Jack	26

RMSA Open Class Standings

	Mar	PI	Apr	PI	May	PI	F3J	PI	June	PI	F3J	PI	July	PI	Best 6	Place	Prev Pts	Prev Wins	01 Pts	01 Wins	Tot Pts	Total Wins	Promo		
Masters																									
Miller Skip	1000	1	1000	1	1000	1	886	6	1000	1	886	6	866	8	5772	1									
Lewan Bob	980	3	993	2	976	3	901	5	856	7	901	5	994	2	5745	2									
Miller Charlie	961	7	876	7	935	4	849	8	747	11	849	8	932	5	5402	3									
Bob Moffett	972	5	802	11	690	10	957	2	838	8	957	2	873	7	5399	4									
Keer Lenny			894	6	909	6	860	7	890	6	860	7	858	9	5271	5									
Padilla John	966	6	906	5	688	11	942	3			942	3	647	14	5091	6									
Monaco Jim	946	9	749	13	926	5	803	9	683	12	803	9	732	13	4959	7									
Howard Mark	983	2	958	4	997	2	1000	1			1000	1			4938	8									
Don Ingram	939	10	863	8	680	12	639	11	991	2	639	11	769	12	4881	9									
Zika Jack	873	13	696	15	692	9			813	9			799	11	3873	10									
Blakeslee Byron	949	8	735	14	571	14			633	13			917	6	3805	11									
Shannon Bingham							908	4	924	5	908	4	953	4	3693	12									
Gressman Tom	918	11	961	3	792	8			960	4					3631	13									
Gary Lewan			828	9	480	15	799	10	633	13	799	10			3539	14									
Phil Jones			812	10	895	7			798	10			990	3	3495	15									
Miller Dusty	974	4							980	3			1000	1	2954	16									
Pederson Bob					648	13			476	16			840	10	1964	17									
Rice Bob			795	12	361	16			523	15					1679	18									
Jeff Burg	898	12													898	19									
Bob Douglas													615	15	615	20									
Barr Jim			183	16											183	21									
Sportsman																									
Dr. Dan Williams	1000		938	2	704	4			1000	1			743	2	4385	1			7	1	7	1			
Bob Johnston			1000	1	1000	1			834	3			1000	1	3834	2	6	1	10	3	16	4	P		
Ali Ghaffari			665	4			1000	1			1000	1			2665	3			6	2	6	2			
Kevin Moffett							619	2	865	2	466	2			1950	4			6		6				
Monaco Marc					758	3	375	3	468	4	220	3			1821	5	2		3		5				
Joseph Newcomb			844	3									711	3	1555	6			2		2				
John Kappus					773	2							617	4	1390	7			2		2				
Wayne Hollenbeck	655				427	5									1082	8									
																9									
																9									
NOVICE																									
Ryan O'Hara					1000		1000				450		1000	1	3450	1			3	1	3	1			
Art Ries									1000						1000	2									



Rocky Mountain Soaring Association

Club Business

We have a major decision to make at the next club meeting. Currently we do not have a defined means of scoring any contest that has a flyoff format. This includes F3J, and even the International Handlaunch contest. There are a number of methods for allocating season points for these types of contests. There is no standard for how this is done. The basic issue is: in a contest that has a flyoff format – should the flyoff performance be included in the points total for year end points – and how should the scoring be done?

I have done a lot of research and discovered the following:

1. The British F3J league counts only the preliminary scores towards year end points.
2. The European F3J leagues do count the flyoffs and award some number of bonus points above the 1000 for the preliminaries. The Germans and the Swedes both have this method – with different bonus points for the flyoffs.
3. The Australian Leagues do the same thing with yet a third type of bonus points.

Since the F3J team selections are coming up at the beginning of September we need to have an official scoring position prior to that contest. There are basically 4 different methods to select from – all have some drawbacks. Here are the options:

1. British Method – Only the preliminary scores are counted – normalized to the winner of the preliminaries. This method gives no value to the flyoff performance, and the contest is actually over after the preliminaries. The flyoff is for bragging rights. It can be argued that the preliminaries are the only rounds where everyone flies against each other – therefore they are the only scores that should count for season totals.
2. Flyoff Bonus Method – This method gives 1000 points to the winner of the Preliminaries, then allocates bonus points to the flyoff members based on their performance in the flyoffs - 1st - 3% Bonus, 2nd - 2% Bonus, 3rd - 1.5% Bonus, 4th - 1% Bonus, 5th - 0.5% Bonus. This method allows a flyer to get more than 1000 points. That means that these types of contests have more weight than normal RMSA contests and gives an advantage to someone would could attend and make the flyoffs in an F3J event.
3. Rice Method – Bob Rice proposed a method where we normalize the preliminaries to 900 points, normalize the flyoffs to 100 points, sum the total and normalize to the highest RMSA member. This would be OK for RMSA contests – but normalizing to the highest RMSA member in an outside contest always gives an RMSA member 1000 points no matter how poorly they did. This method could be fair if we did not normalize to the highest RMSA member, but simply took the total of the two scores. It could mean that the points awarded may not match the final finish order.
4. Monaco Method – I proposed a solution that give all non-flyoff members their preliminary scores and distributes the flyoff points based on a normalization of flyoff scores to the lowest flyoff score. For example – if the lowest score to make the flyoffs was 900, then the flyoff points would be based on the flyers score divided by the winners score times 100. That would then be added to the lowest flyoff score to get a total. As example – if a flyer got 1500 flyoff points and the winner got 3000, then the flyer would get $(1500/3000*100)+900$ points which equals 950. This method means that final points awarded are in the same order as the finish order of the flyoffs.

Following is a spreadsheet to show how the various methods would have affected the RMSA F3J contest results.

Name	Total Flyoff Points	Total Points from Prelims	Total Contest Points	Flyoff Norm to 1000	Prelim Norm to 1000	Monaco Method Spreading Flyoff into Prelims	Based on Euro League/German Rules	Prelim Norm to 900	Flyoffs Norm to 100	Rice Method Total	Rice Method Normalized to Highest RMSA Member
Mark Howard	2,751	4902	7653	1,000	987	1,000	1,017	889	100	989	1,000
Arend Borst	2,653	4938	7591	964	995	996	1,014	895	96	992	1,003
Guy Russo	1,751	4647	6398	636	936	958	950	842	64	906	916
Bob Moffett	1,732	4714	6446	630	949	957	959	855	63	917	928
John Padilla	1,383	4965	6348	503	1,000	942	1,005	900	50	950	961
Rich O'Connell	1,239	4716	5955	450	950	936	950	855	45	900	910

We need to close this issue during the August meeting. I will not be able to attend as I will be out of town on business. I would expect a rational discussion of the alternatives followed by a vote. Please keep these proceedings civil!

Thanks Jim



Rocky Mountain Soaring Association

2001 RMSA Contest/Event Calendar

Date	Event	CD	Notes
Jan. 2	RMSA Meeting		
Feb. 6	RMSA Meeting		
Feb 2-4	<i>Southwest Classic</i>		<i>CASL Southwest Classic - Phoenix AZ</i>
Mar. 6	RMSA Meeting		
Mar. 11	Open*	Shannon Bingham	
Mar. 18	Pro-Am	Jim Monaco	Fourth annual Pro-Am
Mar. 24- Sat	PPSS OPEN	Greg Tarcza	March Madness
Apr. 3	RMSA Meeting		
Apr. 8	Open*	Jim Barr	
Apr. 15	HLG**	Shannon Bingham	
Apr. 22	PPSS OPEN	Dave Kurth	Humps & Bumps
May 1	RMSA Meeting		
May 6	Open*	Lenny Keer	
May 12	HLG**	Bob Lewan	Saturday event
May 19 - Sat	PPSS OPEN	Austin Cleis	May Fly
May 26, 27, 28	F3J*	Mark Howard	Special National Event
June 2-3	IHLG		International HL Contest Torrey Pines CA
June 5	RMSA Meeting		
June 10	Open*	Bob Moffett	
June 16	HLG**	Bob Lewan	Saturday event
June 24	PPSS OPEN	Jack Dech	Summer Solstice
June 30	LSF Day	Dr. Dan Williams	Work on LSF Tasks (Saturday)
July 3	RMSA Meeting		
July 8	Open*	Bob Pederson	
July 14 - Sat	PPSS RE	Barry Welsh	Memorial Fly
July 21 - Sat	PPSS RES	Rich O'Connell	Height of the Season
July 28	LSF Day	Dr. Dan Williams	Work on LSF Tasks (Saturday)
Aug. 7	RMSA Meeting		
Aug. 12	Open*	Jim Monaco	Kinda-F3J
Aug. 18 - Sat	PPSS OPEN	Frank Deis	Night Fly
Aug 19	HLG**	John Kappus	
Aug. 25	LSF Day	Dr. Dan Williams	Work on LSF Tasks (Saturday)
Aug. 26	PPSS OPEN	John Read	Dog Daze
Sept. 4	RMSA Meeting		
Sept. 9	Open*	Bob Rice	AKA: Colorado Challenge Cup
Sept. 22- Sat	PPSS OPEN	Bob Avery	Soar Bash
Sept. 29	LSF Day	Dr. Dan Williams	Work on LSF Tasks (Saturday)
Oct. 2	RMSA Meeting		
Oct 6&7	Visalia		Visalia California
Oct. 6 - Sat	PPSS HLG	Milt Woodham	HandLaunch
Oct. 14	Open*	Jim Monaco	
Oct. 21	PPSS RES	Mike Fritz	Witches Brew
Oct. 27	LSF Day	Dr. Dan Williams	Work on LSF Tasks (Saturday)
Nov. 6	RMSA Meeting		
Nov. 11	Open*	Shannon Bingham	
Nov. 17 - Sat	PPSS OPEN	Dave Meyers	Turkey Shoot
Dec. 9	Awards Banquet		
Dec. 15	PPSS OPEN	John Read	BAM Fly

*Club Open points contest ** Club HLG points contest

Italics indicates major national level contests available for points and PPSS events



2001 Board Members

President:	Shannon Bingham	(303) 877-7557	binghams@boulder.earthnet.net
Vice President:	Jim Monaco	(303) 464-9895	JimMonaco@earthlink.net
Secretary:	Bob Rice	(303) 745-5269	bob.rice@tobin.com
Treasurer:	John Pearson	(303) 306-6800	jp7120@aol.com
Past President:	Mike O'Hearn	(303) 693-6925	m.o.hearn@worldnet.att.net

Member Support

<http://rmsa.homestead.com>

Chief

Instructor:	Jack Zika	(303) 279-1549	(303) 505-9488 (Pager)
Instructor:	Mark Howard	(303) 278-7519	Mhoward@spaceimaging.com
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Winch Masters

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Gary Lewan	(303) 277-1375	
Dr. Dan Williams	(303) 439-7777	drdandc@juno.com



Directions to Field

Take I-76 to exit 16. Turn left and follow the frontage road through the circle onto 120th eastbound towards the airport. Take 120th 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