



Thermals

Newsletter of the Rocky Mountain Soaring Association

April 2004

AMA Chartered Club 1245

Volume XXVIII Number 4

President's Message

Spring is here and the last time I was out to the field it is starting to turn green and the harvested areas are beginning to grow in so it will not be long before we have a great big green field to fly on again. I do not know about you all but I can not wait for everything to be green again. It feels good to be done with winter and moving on to the new season.

We now have tested the winches in two contests and only had some minor problems that were easily fixed. Take the time to thank Jim for all the hard work he has put into getting all this done for the start of this season. I have not had anyone that was qualified to CD the Spring Soaring Festival contact me. So unless someone steps up the Spring Soaring Festival is officially cancelled. I will not have the time to CD this event and to make matters more difficult I have not had time to get my CD certification with the AMA, and this contest needs a "real" CD to make the AMA happy. If no one steps up to CD this one in the next week, I am going to have to cancel this event due to club apathy on the part of our CD's... It is a shame because there are many that are willing to step up and help, just no one to take the head CD spot and because of this I am afraid that the SSF is dead unless one of you will step up to the plate.

On a brighter note one of our previous members, Neil Schmoker, has just opened a R/C hobby Shop in Longmont. It is "R/C Wheels and Wings" I asked Neil to send me some information so we could put it in the news letter but he has been rather busy and missed this addition, So that is a good sign because every time I stop by he is busy with something making his new shop better. Anyway if you are up in the Longmont area Look up R/C Wheels and Wings and see what he is up to and say Hi.

Neil Schmoker
R/C Wheels & Wings Inc.
303 776-2796

So let the Spring Soaring Begin, Yeee Haaa it's Spring again!!!
Dr. Dan Williams

Next Meeting:

Date/Time: April 6, 2004 – 7:00 PM

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

Program: Swap Shop – buy, sell, trade your old stuff

Sunday April 18th Open Contest CD Don Ingram

Entry Fee: \$5.00
Registration: 8:30 AM
Pilot's Meeting: 9:15 AM
First Flight: 9:30 AM

Current (2001) AMA membership is required and must be shown – if you haven't renewed – get to it...

Please be registered and have planes assembled by Pilot's Meeting. We will be flying on the WEST field, the same one we ended the season last year on.

Tasks: Tasks will AMA T1- International duration - man on man. The task times for all rounds will be based on weather conditions. Please have your models assembled and ready to fly *before* the pilots meeting.

Landing: Regular AMA (L4) landing tapes will be used.

Treasurer's Report

John Pearson has begun keeping the RMSA books in electronic form and will be providing regular club expense/revenue statements.
 Thanks John
 Here is the first report.

10/1/2003 Through 3/27/2004

| | Num | Date | Payee | Category | Amount | Running Balance |
|---------------------------------|------|------------|----------------|---------------|-----------|-----------------|
| Opening Balance as of 10/1/2003 | | | | | | 1692.6600 |
| Month Ending 1/31/2004 | | | | | | |
| | 1800 | 2004-01-08 | AMA | Reimbursement | 938.9600 | 2631.6200 |
| | | 2004-01-08 | Bob Rice | Newsletter | -165.4000 | 2466.2200 |
| | 1801 | 2004-01-24 | Jim Monaco | Winch Stuff | -530.0000 | 1936.2200 |
| Total Month Ending 1/31/2004 | | | | | 243.5600 | |
| Month Ending 2/29/2004 | | | | | | |
| | 1802 | 2004-02-03 | Jim Monaco | Winch Stuff | -147.0000 | 1789.2200 |
| Total Month Ending 2/29/2004 | | | | | -147.0000 | |
| Month Ending 3/31/2004 | | | | | | |
| | 1803 | 2004-03-10 | Jim Monaco | Winch Stuff | -768.5500 | 1020.6700 |
| | | 2004-03-22 | PayPal | Club Dues | 506.3400 | 1527.0100 |
| | 1804 | 2004-03-24 | Charlie Miller | Repairs | -260.0000 | 1267.0100 |
| | 1805 | 2004-03-24 | Jim Monaco | Repairs | -100.0000 | 1167.0100 |
| Total Month Ending 3/31/2004 | | | | | -622.2100 | |
| Grand Total | | | | | -525.6500 | 1167.0100 |

Pro/Am Report

Jim Monaco CD

The 6th annual Pro/Am was held on March 7 with good soaring conditions. We had 8 teams compete in a low-key fun environment. The first round we did an open winch format to allow everyone to get tuned up and trimmed, then the rest of the rounds were flown in our normal man-on-man format. The new winches were used for the first time and they worked very well, with no line breaks and plenty of power for the entire contest. The only problems we had were that one of the winches had a brake attachment bracket that was too long and if the line got loose the loops would snag the bracket. Also the brake belts needed to be broken in and initially were not stopping the drums quick enough. We attached rubber bands to the brake and anchored them to the frame to put some tension on the arm and all the problems went away. After the belts broke in, we removed the rubber bands and all was well.

Everyone got into the MOM routine and things went very quickly. We ran the MOM format slightly different than usual, because this was a team event, we needed to keep the teams members from flying against each other. To do this we scheduled the Pros together and the Ams together. Everyone did a great job with substitute shagging to keep team members working together.

We flew 5 rounds of tough competition. As it happened, the top amateur (Ryan O'Hara) and the top pro (Bob Lewan) were on the same team – that made them the top team as well! Congratulations guys...

The point of this event is to give everyone some time to get ready for the contest season and to help the less experienced flyer advance their skills. This was accomplished and in addition, everyone had fun – so everyone was a winner. Thanks VERY MUCH to the Pros that came out and participated. All the amateurs (and myself) appreciated that they came to fly and help.

Thanks to Bob Vixie for the Pictures included below.

Jim

The final scores are below:

2004 Pro/Am March 4, 2004

| Class | Name | Place by Class | RD 1 | RD 2 | RD 3 | RD 4 | RD 5 | Raw Total | Rounds Flown | Total | Norm by Class | Norm by Contest | Team | Team |
|-------|---------------------|----------------|---------|---------|---------|---------|---------|-----------|--------------|---------|---------------|-----------------|------|---------|
| P | D - Bob Lewan | 1 | 1000.00 | 1000.00 | 1000.00 | 1000.00 | 1000.00 | 5000.00 | 5 | 5000.00 | 1000.00 | 1000.00 | 1 | |
| A | D - Ryan O'Hara | 1 | 975.66 | 1000.00 | 1000.00 | 1000.00 | 1000.00 | 4975.66 | 5 | 4975.66 | 1000.00 | 995.13 | 1 | 9975.66 |
| P | B - Bob Vixie | 3 | 991.15 | 962.75 | 953.22 | 988.37 | 1000.00 | 4895.48 | 5 | 4895.48 | 979.10 | 979.10 | 2 | |
| A | B - Cody Remington | 2 | 926.99 | 1000.00 | 927.84 | 990.20 | 927.05 | 4772.07 | 5 | 4772.07 | 959.08 | 954.41 | 2 | 9667.56 |
| P | H - George Blair | 7 | 849.56 | 966.73 | 936.42 | 798.45 | 461.39 | 4012.55 | 5 | 4012.55 | 802.51 | 802.51 | 3 | |
| A | H - Jim Newcomb | 3 | 984.51 | 888.02 | 1000.00 | 849.67 | 1000.00 | 4722.20 | 5 | 4722.20 | 949.06 | 944.44 | 3 | 8734.75 |
| A | C - Jeff Ellsworth | 4 | 931.42 | 500.00 | 898.97 | 1000.00 | 772.04 | 4102.42 | 5 | 4102.42 | 824.50 | 820.48 | 4 | |
| P | C - Rich O'Connell | 6 | 924.78 | 675.15 | 974.66 | 1000.00 | 537.40 | 4111.99 | 5 | 4111.99 | 822.40 | 822.40 | 4 | 8214.41 |
| A | G - Chuck Stasek | 5 | 904.87 | 414.68 | 647.42 | 735.29 | 626.02 | 3328.28 | 5 | 3328.28 | 668.91 | 665.66 | 5 | |
| P | G - Don Ingram | 5 | 982.30 | 603.92 | 1000.00 | 715.71 | 992.28 | 4294.21 | 5 | 4294.21 | 858.84 | 858.84 | 5 | 7622.49 |
| P | E - Joseph Newcomb | 2 | 971.24 | 1000.00 | 976.88 | 974.81 | 990.16 | 4913.08 | 5 | 4913.08 | 982.62 | 982.62 | 6 | |
| A | E - Ken Jochim | 6 | 785.40 | 206.29 | 369.29 | 553.07 | | 1914.05 | 4 | 1914.05 | 384.68 | 382.81 | 6 | 6827.13 |
| P | A - Dr. Dan | 4 | 944.69 | 992.16 | 994.15 | 556.66 | 826.25 | 4313.91 | 5 | 4313.91 | 862.78 | 862.78 | 7 | |
| A | A - Steve Suntkin | 7 | 261.06 | 200.40 | 244.81 | 718.95 | 132.11 | 1557.34 | 5 | 1557.34 | 312.99 | 311.47 | 7 | 5871.25 |
| P | F - Byron Blakeslee | 8 | 986.73 | 812.13 | 996.10 | 620.28 | 570.87 | 3986.10 | 5 | 3986.10 | 797.22 | 797.22 | 8 | |
| A | F - Tony O'Hara | 8 | 265.49 | | | 871.51 | 240.12 | 1377.12 | 3 | 1377.12 | 276.77 | 275.42 | 8 | 5363.22 |



Jim Monaco Landing



General Launch Picture



Jo-Ellen shows it was cold in the morning



Cody with his Emerald



Dr, Dan Landing



Bob Lewan Landing



New Winch



New Winch

RMSA March 14 Contest Report Rich O'Connell CD

It was obvious that the weather forecast from earlier in the week had made an impression on a large number of the active contest pilots in the club as attendance was less than I had expected. On the plus side we were able to get in six rounds of flying by 2:00. The down side being we quickly remembered how much manpower is required to smoothly run a man-on-man sailplane contest. Everyone pitched in and lent a hand timing and shagging where needed and the contest ran very well.

A special note of thanks to all of those that worked at building the new club winches. The new equipment worked flawlessly, and gave good strong consistently reliable launches all across the flight line. Well done.

The day started overcast and a little on the cold side but by the start of the first round the cloud layer had blown off and the field and the thermals began to heat up. The format was International Duration using the AMA landing tapes. The time tasks for the first two rounds were six and eight minuets and the final four rounds were all ten minuets. The flying conditions were almost too good and it quickly became a landing contest. After it was all said and done the point spread for the nine pilots who flew in Masters Class was forty four points after six rounds of flying, and the spread for the first five places was an amazing eleven points.

Congratulations to Danny Dermer for winning his first contest as a Sportsman, and Bob Dixon for first place in Novice. The first five places in Masters went to;

- First Lenny Keer
- Second Rich O'Connell
- Third Jim Monaco
- Forth Dr. Dan Williams
- Fifth Charlie Miller

| ID | Class | Name | Place by Class | RD 1 | RD 2 | RD 3 | RD 4 | RD 5 | RD 6 | Raw Total | Rounds Flown | # Throw Outs | Safety Penaltys | Total | Norm by Class | Norm by Contest |
|----|----------|--------------------------|----------------|---------|---------|---------|---------|---------|---------|-----------|--------------|--------------|-----------------|---------|---------------|-----------------|
| | | <i>MASTER</i> | | | | | | | | | | | | | | |
| 7 | M | Lenny Keer | 1 | 995.56 | 1000.00 | 1000.00 | 994.21 | 997.12 | 997.09 | 5983.97 | 6 | | | 5983.97 | 1000.00 | 1000.00 |
| 9 | M | Richard O'Connell | 2 | 993.32 | 993.06 | 989.94 | 1000.00 | 1000.00 | 1000.00 | 5976.32 | 6 | | | 5976.32 | 998.72 | 998.72 |
| 6 | M | Jim Monaco | 3 | 997.77 | 1000.00 | 995.68 | 1000.00 | 964.91 | 1000.00 | 5958.37 | 6 | | | 5958.37 | 995.72 | 995.72 |
| 13 | M | Dr. Danny Williams | 4 | 1000.00 | 991.32 | 1000.00 | 966.71 | 997.12 | 979.35 | 5934.50 | 6 | | | 5934.50 | 991.73 | 991.73 |
| 10 | M | Charles Miller | 5 | 953.33 | 1000.00 | 1000.00 | 968.07 | 1000.00 | 1000.00 | 5921.40 | 6 | | | 5921.40 | 989.54 | 989.54 |
| 8 | M | Bob Lewan | 6 | 942.60 | 994.79 | 945.40 | 985.49 | 1000.00 | 1000.00 | 5868.29 | 6 | | | 5868.29 | 980.67 | 980.67 |
| 2 | M | Bob Vixie | 7 | 1000.00 | 951.30 | 981.32 | 1000.00 | 950.29 | 969.65 | 5852.57 | 6 | | | 5852.57 | 978.04 | 978.04 |
| 1 | M | Joseph Newcomb | 8 | 993.38 | 970.43 | 979.89 | 908.45 | 978.48 | 995.63 | 5826.26 | 6 | | | 5826.26 | 973.64 | 973.64 |
| 5 | M | Byron Blakeslee | 9 | 1000.00 | 993.06 | 971.22 | 866.86 | 901.00 | 989.68 | 5721.82 | 6 | | | 5721.82 | 956.19 | 956.19 |
| | S | <i>SPORTSMAN Masters</i> | | | | | | | | | | | | | | |
| 12 | S | Danny Dermer | 1 | 581.29 | 972.22 | 861.87 | 959.36 | 967.00 | 959.54 | 5301.28 | 6 | | | 5301.28 | 1000.00 | 885.91 |
| 3 | S | Cody Remington | 2 | 706.67 | 664.93 | 992.82 | 914.62 | 978.39 | 570.80 | 4828.21 | 6 | | | 4828.21 | 910.76 | 806.86 |
| 4 | S | Steve Suntken | 3 | 719.38 | 285.22 | 364.03 | | | | 1368.62 | 3 | | | 1368.62 | 258.17 | 228.71 |
| | N | Novice | | | | | | | | | | | | | | |
| 11 | N | Bob Dixon | 1 | 671.08 | 154.78 | 293.10 | 545.77 | 219.30 | 260.55 | 2144.59 | 6 | | | 2144.59 | 1000.00 | 358.39 |

Swap Shop

This meeting will include a Swap shop. Bring your old, unused, unloved stuff and see if anyone else wants it. Planes, Parts, Accessories are all eligible.

See Ya there

Jim

Stylus Tip

For quite some time Mike Verzuh and I have been frustrated by the seemingly random changes in flight surface trim, often between flying sessions, and sometime during the sessions. We at first attributed it to servos drifting, then observed that no such behavior happened on planes we flew without the Stylus and it did not matter what brand or model of servos we were using. This seemed to narrow it down to the Stylus and we blamed it on temperature related pot drift. One hazard of this is that it seems that if one adjusts the elevator centers YOU MUST also check your launch and reflex settings because they are adversely affected by changing the elevator trim. Several exciting launches after adjusting the elevator trim and failing to check the launch setting has ingrained this check in our minds. One day in perusing the Stylus manual, I discovered the TRIM-M setting. As it happens, this setting is designed to allow you to fly your model and trim the surfaces using the trim tabs. When you shut your model off it REMEMBERS those trim settings, allowing you to set the trim tabs back to the center and having the model flying with the saved trim in the surfaces. I surmised that this behavior was actually what was causing all our problems. Here is the scenario: Fly a bit and modify the trim setting (usually the elevator) and land. Turn transmitter off without resetting the trim tabs to save battery. Turn radio on and center the trim tabs for flight – Hmmm why are the surfaces messed up? OK – go to centering and fix. Go to Launch and Reflex and Fix – fly and have fun... Repeat stupid procedure next flight.

The answer is simple – unless you really LIKE that feature and are disciplined enough to center all the controls before you shut the radio off, disable the stupid setting. Do this at home before the flying session. Go to TRIM-M and hit the + and – buttons at the same time to inhibit this function. You will see the surfaces go to some unusual positions. This happens because the offsets kept in the trim memory are gone. You could just use the radio center function to recenter all the surfaces, but I prefer to recenter the surfaces on the bench mechanically – set the radio centers to ZERO – then mechanically adjust the surfaces as close as you can get, then use the CENTER function to fine tune them. Guess what – after doing this you will find the servos stayed centered for every flight... WOO HOO...

Another issue is that many of us start a new model by copying an old model setup, we zero out the centers, then mechanically set the trims and fine tune with the CENTER adjustment. If you did not have the TRIM-M set INHIBIT before you did this, you did not really have the servos set at zero to start, the servo center is offset by the trim memory (which can be significant – some of mine were 80%!). If you want to keep the TRIM-M feature – be sure to zero the trim offsets in the TRIM-M menu when you start a new model. If you INHIBIT the TRIM-M then only the CENTER setting adjust the servo centering.

Hope this helps and explains some odd behaviors you have observed with the Stylus...

Jim Monaco

New Products

Here is an interesting receiver that needs no crystals – a great thing to have when selecting frequencies at the flying field. This is not an endorsement – just information. I think I am going to try one though ☺

Jim

SKY & TECHNOLOGY RECEIVER 8 CHANNEL

THIS IS THE MOST ADVANCED RECEIVER ON THE MARKETPLACE TODAY. IT INCLUDES FEATURES ONLY FOUND IN THIS RECEIVER AND IS THE LATEST TECHNOLOGY AVAILABLE.

Features include

- Master Control Recognition Technology
- Compatible with ANY FM transmitter all brands
- Program 2 separate transmitters to one receiver
- The smallest and lightest in the World weighs 11 grams
- Measure 2" X 1 1/8" X 7/16" very small
- Simple to program
- PLL technology, no crystals
- Advanced Automatic Gain Control
- This receiver uses Phase Lock Loop channel frequency synthesizing so there are no crystals. It will operate on all channels within the chosen frequency band that means complete freedom of channel selection from 11 to 60 in the 72 mhz. band.
- The lowest signal detection on the marketplace, an outstanding 1 microvolt means range beyond anything you have experienced so far but controlled sensitivity using the AGC. The Master Control Recognition feature will allow you the best opportunity to work through outside interference if a transmitter is accidentally turned on using the same frequency.
- This is simply an outstanding receiver product and you owe it to yourself to give your plane the best chance at a safe and controlled operation. There is nothing else close to the integrated use of these technologies in a radio control receiver today. Fly the best.
- This price is far below what you will pay for any current fully synthesized receiver.

Sales Price: \$ 75.00

For Sale

Emerald – Some battle scars but in pretty good condition. Freshly painted fuselage. Built-up rudder installed (original molded rudder comes with it). 2 HS-85BB servos on ailerons. 2 HS225BBMG servos on Flaps. 2-HS85BB for rudder elevator. No receiver or battery. **\$450**

Jim Monaco JimMonaco@Earthlink.net (303) 464-9895

Tragi 705X. Yellow/Red. 72 oz. Awesome build quality - Mueller +. Jr Digitals throughout. I have had this bird out only twice. Great L/D and sink rate. \$1850 including fuse stand.

Tom Gressman Office 303-744-3535 X1101

North Wind Class 36 600 Sailing Yacht Kit complete with instructions ---- \$50.00

Clarence Dollmeyer ---- 303 457 2708

PFALZ – DIII slow flyer / Park Flyer
COMPLETE PACKAGE
(Includes wing alignment device)

| | |
|---|-----------------|
| Complete Kit | \$99.00 |
| Speed 280 motor. + Stock gear set & prop | incl. |
| Gear Box (upgrade) | \$16.00 |
| APC Slow Flyer Prop | \$ 3.54 |
| Scale Pilot | \$11.70 |
| FMA SC5 Speed Controller with BEC | \$24.95 |
| MtL Hydride Battery Pack 7-cell | \$27.60 |
| Carbon Fiber Wing Reinforcement installed | incl. |
| 2- Cirrus CS 21 Ball Bearing Servos | \$42.00 |
| HITEC Feather Ultra Light Receiver | \$69.00 |
| Total retail value | <u>\$282.59</u> |
| Take her home tonight! | \$182.00 |

Here is a PIX of a similar model. <http://www.hobby-lobby.com/nieuport.htm>

Guy Russo

flyguy@adelphia.net 208-659-4747

Graphite Wings and two fuselages, one configured for electric operation (JR Servos in the tail, ready for motor), the other fuse is standard for TD operation with light built up v-tail. Fuselage condition is very good, wings have had repairs to the tips only.

Voltz flap servos with Hi-Techs in ailerons and TD fuse– For Sale at \$475

Mike Verzuh (970)532-0638 or Mike.Verzuh@Seagate.com

2004 RMSA Contest/Event Calendar

| Date | Type | CD | Name/Notes |
|---------------------|--------------------------|----------------------|--|
| <i>January 25</i> | <i>Open (PPSS)</i> | <i>Bob Avery</i> | <i>Fun Fly</i> |
| February 3 | RMSA Meeting | | |
| February 7-8 | | | <i>SWC - Phoenix</i> |
| <i>February 22</i> | <i>RES (PPSS)</i> | <i>Chris Keller</i> | <i>Snow Fly</i> |
| March 2 | RMSA Meeting | | |
| March 7 | Pro/Am | Jim Monaco | |
| March 14 | Open* | Rich O'Connell | |
| <i>March 21</i> | <i>Open (PPSS)</i> | <i>John Read</i> | <i>March Madness</i> |
| April 6 | RMSA Meeting | | |
| April 18 | Open* | Don Ingram | Spring Fling |
| <i>April 25</i> | <i>RES (PPSS)</i> | <i>Joel Zellmer</i> | <i>Humps and Bumps</i> |
| May 4 | RMSA Meeting | | |
| <i>May 8</i> | <i>Electric (PPSS)</i> | <i>Jack Dech</i> | <i>Watts O' Fun</i> |
| May 16 | Open* | Bob Moffett | Summer Fun |
| <i>May 23</i> | <i>Open (PPSS)</i> | <i>Chris Keller</i> | <i>May Fly</i> |
| June 1 | RMSA Meeting | | |
| June 13 | Open* | Tony O'Hara | |
| June 4-5 | | | <i>IHLG - Torrey Pines</i> |
| June 19-20 | F3J in the Rockies* | Mark Howard | Tentative schedule |
| <i>June 20</i> | <i>RE (PPSS) !</i> | <i>Dave Kurth</i> | <i>Memorial</i> |
| June 26 | HLG** | John Kappus | |
| June 27 | Scale Fest | Lenny Keer | Scale Fun Fly |
| July 6 | RMSA Meeting | | |
| July 11 | Open* | Jim Monaco | Sparks Flying Open |
| July 18 | HLG** | John Kappus | |
| July 24-31 | | | <i>Soaring NATS - Muncie ID</i> |
| <i>July 25</i> | <i>Open (PPSS)</i> | <i>Bob Avery</i> | <i>Height O' the Season</i> |
| August 2-8 | | | <u>F3J World Championships - Red Deer Canada</u> |
| August 3 | RMSA Meeting | | |
| August 7-8 | Spring Soaring Festival* | Dr. Danny Williams | Spring Soaring Festival (Sat Aug 7 will count as the club monthly contest) Tentative |
| <i>August 14</i> | <i>Open (PPSS)</i> | <i>Austin Cleis</i> | <i>Howling Coyote (night fly)</i> |
| <i>August 22</i> | <i>RES (PPSS)</i> | <i>Greg Tarza</i> | <i>Dog Daze</i> |
| August 29 | HLG** | John Kappus | |
| September 7 | RMSA Meeting | | |
| September 12 | Open* | Bob Rice | Colorado Challenge Cup |
| <i>September 26</i> | <i>Open (PPSS)</i> | <i>Gus Gustafson</i> | <i>Soar Bash</i> |
| October 2-3 | | | <i>Visalia Fall Fest</i> |
| <i>October 3</i> | <i>HLG (PPSS)</i> | <i>Bob Vixie</i> | <i>Fall Fling</i> |
| | | | |
| October 5 | RMSA Meeting | | |
| October 10 | Open* | Mike Verzuh | |
| <i>October 24</i> | <i>RES (PPSS)</i> | <i>Dave Meyers</i> | <i>Witches Brew</i> |
| November 2 | RMSA Meeting | | |
| November 7 | Open* | ??? | |
| <i>November 21</i> | <i>Open (PPSS)</i> | <i>John Read</i> | <i>Turkey Shoot</i> |
| December 5 | RMSA Banquet | | |

*Club Open points contest (Best 6 Scores)

**Club HLG points contest (Best 3 of 4 including the PPSS HLG event)

! Planes will be limited to rudder and elevator controls, but the wing span limitation has been lifted.

Italics indicates PPSS events held at their location



2004 Board Members

| | | | |
|------------------------|---------------------------|-----------------------|---|
| President: | Dr. Danny Williams | (303) 903-2291 | drdandc@juno.com |
| Vice President: | Mark Howard | (303) 278-7519 | Mhoward@spaceimaging.com |
| Secretary: | Bob Rice | (303) 745-5629 | bob.rice@tobin.com |
| Treasurer: | John Pearson | (303) 306-6800 | JTP1006@earthlink.net |
| Past President: | Shannon Bingham | (303) 877-7557 | binghams@boulder.earthnet.net |

Member Support

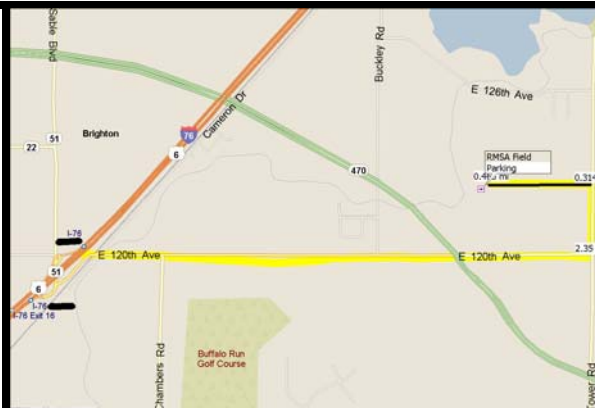
<http://www.rmsadenver.com>

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: | Jim Monaco | (303) 464-9895 | JimMonaco@earthlink.net |

Winch Master

Mike Verzuh (970) 532-0638 mike.e.verzuh@seagate.com



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

Forwarding Address Requested

First Class Mail