

WANTED:
SAILPLANE PILOTS !!

All **MRCSS** members must also be a member of the **AMA**, Academy of Model Aeronautics. See any hobby shop or contact an officer for an application.

To join **MRCSS**, Send \$20 to **MRCSS**
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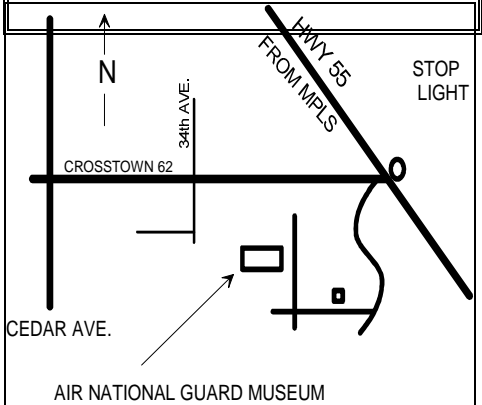
INSTRUCTORS = HELP FOR BEGINNERS

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Club EMAIL = ssadler@holadayinc.com
Club WEB page =
<http://www.rcsoaring.com/mnclubs.htm>

CLUB MEETING February 19 th -Thursday	7:00pm - 10:00pm	Air National Guard Museum see MAP at right.

JIRIK SOD FARM	ROBINSON LANDSCAPING	SUPERSLOPE
4 miles East of FARMINGTON on Co Rd 66. Park on Co Rd 66 or on Blaine ave (N/S road). Winch and high starts available on site. Contact an officer for locker combination.	2 miles East of Lexington Ave on Main Street (CR 14, 125 th street) in Lino Lakes . This is the Sod Farm on the South side of the road. DO NOT FLY ON THE SOD FARM ON THE NORTH SIDE OF THE ROAD.	4 miles SE of Northfield . Take MN 246 to Ibson ave. South on IBSON then East on 135 th to Isaacson Trail. Isaacson Trail follows top of the Ridge. SSE to WSW winds at 5-25 MPH needed.



WING IT !

By: Mike Trutwin

A great big THANKS goes out to Don and Gertrude Patterson for hosting our annual pot luck. Like before, they were gracious enough to invite all us wing nuts ,and guests, into their home and treat us with the warmest of hospitality. Of course a pot luck would not, could not, without all the great cooks. Delicious dishes - great conversation - way to many goodies for me. I thought the holidays were over? So much for that new years resolution.

I would like to extend a welcome to our new member Tom Schworer. If there is anything we as a club can do to help you enjoy soaring more, let us know.

This month we're trying something new. Either it works or it doesn't. Those of you who have E-mail addresses will be receiving this newsletter both by regular mail and E-mail. So check those mailboxes and let us know how it works. The file may be sent in zip (compressed) format and would require you to have unzip ability. If you do not have zip software try looking on the web. If you have an E-mail address and do not wish to receive an E-mail newsletter, please contact Steve Stadler. If all works well, the March newsletter should be sent either regular mail or E-mail, not both. We are hoping that this will reduce the workload of our folding, licking, and sticking members. Please call Steve Stadler or myself with new E-mail addresses, problems, or concerns.

I love these volunteers! Thanks Steve Metz for offering to search the web looking for articles to be printed in the newsletter. We all enjoy seeing a packed newsletter, and it's because of members like you that it happens. I invite all of you to contribute a little something to the newsletter this year. Maybe a construction tip, flying experience, product reviews, whatever. To get you off and thinking, I offer the challenge of the month, "The crazy places we build" (and rebuild). Send in a photo and tell us about your shop. Where do you store all your planes? What are some tools you wouldn't be without. No shop is big enough is it?

Anyone have a project on the building board or newly completed that you would like to show us? Send a photo plus a little description and we'll print it in a new section in the newsletter. "What our members are building / flying"

We are looking for a volunteer (with an extra phone line) to get the MRCSS messaging system up and running once again. Ed Berris has provided us with an answering machine that members could call and leave a message for others to receive. (ex. It's Sat. 7:00 am and the contest this afternoon is canceled due to weather). I think this will work great provided we keep it very simple (leave a message, receive a message). Please call me with your ideas.

A pat on the back "atta boy" goes out to all those who have ever been out to the Northfield superslope. In the past month I've talked with the land owner and he had nothing but positive remarks toward the care and use of the site. Even trash left behind by non-members has always been carried off site by our members. That's great!

Wow! Another volunteer. Kirk Hall has agreed to coordinate our fun fly events for the Saturdays after each meeting. He will be selecting the sites based on weather and field conditions, and making sure we have someone with launch equipment available. We will try to get information to you by newsletter time, but if conditions change, Kirk will try to get the word out and make himself available for calls. It would be nice to have at least one person at each fun fly dedicated to assist newcomers if needed. Call Kirk if you can help.

February Meeting (DON'T MISS IT)

Mike Martindale (Master of Fiberglass) and myself (wannabee) are going to bring in some examples of plugs used for molding fiberglass fuselages. Mike's going to share with us some materials, tips, and techniques used in the molding process. If you have anything to contribute, please bring it along.

Ed Berris has once again came through and donated an Ace Easy Eagle 2 meter kit to start off our monthly meeting raffle. Funds collected will go towards the purchase of next month's item.

We will be setting up our yearly events calendar so bring to the meeting all those important dates you can think of. Those of you who are thinking of directing a contest this year please see the preliminary schedule further on in this newsletter and plan on coming to the meeting or calling in your proposed contest date.

We would also like to schedule a topic or presentation for each of the upcoming meetings. Think about what you would like to see or here about and let us know at the meeting. Do you, or someone you know, have an area of specialty you would be willing to share? If you can't make the meeting, be sure to call.

Meeting Minutes - January 15, 1998

Newly-elected President Mike Trutwin called the meeting to order at 7:23 P.M. Mike said his correct phone number is 953-3612.

VISITORS - Bill Igoe introduced Steve Assad and Chad Tebbitt, two students in the Aircraft Design class at Washburn High School in Minneapolis.

HAGER CITY SLOPE - The Hang Glider club is preparing a proposal for MRCSS consideration.

NORTHFIELD SUPERSLOPE - Mike spoke with the owner who said the buyer is far behind in payments. The "old" owner is happy with us and a slope cleanup will be OK if he is present to advise our efforts.

PRESCOTT SLOPE - Consensus was that we add the map of this site to our newsletter and buy insurance for it. Larry Sorenson has the owner information.

INCORPORATION STATUS - Nothing to report. Question arose about our owing sales tax on dues. Jim Ladwig is taking "The Suitcase" of old records brought in by Conrad Sower and will call the Office of the Secretary of State about the status of our club.

MRCSS POT LUCK DINNER - The annual dinner honoring our spouses and supporters will again be held at the home of Don and Gert Patterson on Saturday, February 7 from 7 to 10 P.M.

BUILDER'S CONTEST - Andy Karl is the traditional CD for this event, and Pres. Mike will confirm Andy's interest in repeating. Volunteers to solicit prizes are: Mike Martindale (Outlaw R/C), Corky Wald (Hub, Little Canada) and Luke Palen (National Hobby Co.). More volunteers are needed for other shops and for national manufacturers and distributors.

Secretary Jim Ladwig is preparing a receipt which prize donors can use for income tax purposes.

Bonus raffle tickets will go to those building Oly 650, LS-1, Spirit 100 or Illusion models from kits or plans, as these have been "Club Models" in past years.

MONTHLY CLUB RAFFLE - Unanimous approval was given to resuming a \$1 ticket (6 for \$5) raffle at each meeting. Prizes are to be donated by individual members, and can be kits, materials or supplies. Ed Berris is donating an Ace Easy Eagle kit, a polyhedral 2 meter design, for the February raffle. (Jim Ladwig has located the raffle tickets.) A separate accounting for these funds is to be made to assure club benefit.

MESSAGE SYSTEM - Ed Berris will give a February meeting demonstration of the message "hot line" that has fallen into disuse. This was intended to inform as to who was going where and when to fly sailplanes.

CLUB DIRECTORY - The intention is to publish a directory including e-mail addresses in the February newsletter.

NEWSLETTER - Those members with e-mail will receive their newsletter electronically in the future. Results of this experiment will be watched, as it could result in easy and fast distribution at lower cost to the club.

Steve Metz will be searching for technical articles, and all members are urged to contribute as they are able. Deadline for articles will be the first of each month. If you can supply by e-mail or floppy disk, MS Word is the preferred format to simplify Steve Stadler's adding it to the newsletter file. Other word processor formats are the next best.

Photographs of projects and activities are wanted.

CONTEST SCHEDULE - Final schedule is to be set at the February meeting. Preliminary schedule is:

May ??	CD Andy Karl
June ??	CD Mike Martindale
July ??	CD Undesignated
Aug 15	CD Bob Botha
Sep ??	CD Mike Trutwin.

Brian Brinkman, Steve Metz and others may be interested in acting as CD for contests this year.

PLACQUES AND STICKERS - Ed Berris will supply stickers for the permanent award plaques when the CD sends Ed contest results. There may be need for new plaques since we have new members.

Gliders - Thermal, Slope, Hand Launch and Full Scale Ultralight Shown in Jan.

Steve Assad and Chad Tebbitt brought the green and red Gentle Lady 2 meter sailplane they had built in the Aircraft Design class at Washburn HS. The other members of their team were William Bach and Ron Fortner. Jeff Kreis is the teacher of the class.

Dave Engleson showed the profile ME-109 he is building as a sloper. The fuselage is mostly balsa, in spite of the original intent to build it of foam. The wing is a foam core with balsa sheeting. Dave carved a realistic pilot from foam and created a plastic canopy.

Mike Martindale displayed a high-tech HLG he plans to complete at 13 ounces. The fuselage is from Bob Botha, and is similar to the Maria. It will have a standard tail mounted on a graphite boom. Airfoil is SD7080 and wing is expected to weigh 6 ounces.

Bill Young showed a video on the Super Floater, an ultralight sailplane for foot launching or auto tow. This is a 1:1 scale which you fly from the inside.

MRCSS Roster

The current Roster is printed on the following pages. If you have any corrections that should be made, please inform Steve Stadler. This roster shows membership renewals received thru January 31 as "paid thru 98". If your AMA membership number is not shown, that means that I don't have it in my records. If your AMA membership number is not shown, could you please send it to Steve Stadler.

Thanks!!

MRCSS Builders Challenge '98

Rules & Regulations

1. Sign up with Jim Ladwig (Challenge Director, Ph # 920-1245) before the January meeting.
 - \$10/model placed into the pool for each model you pledge to build
 - Get your \$10 back if you build it by the day of the builders contest in May 1998.
 - Model must be New, no rebuilds, no used models, and you must build it (can't hire out).
 - Model must be an R/C Sailplane (Thermal, Slope, or Electric)
2. Raffle Chances
 - Get 1 raffle ticket for each model completed on time
 - Bonus I: Bring any model to any meeting thru March; receive 1 extra ticket.
 - Bonus II: Build one of the club models described below, receive 1 extra ticket / plane.
 - Model is not judged "completed" until radio is installed and operation demonstrated.
 - Limit 10 raffle chances / member.
3. The Builders Pool will contain all of the remaining money from unfulfilled pledges (possibly several hundred dollars!!) as well as merchandise donated by members and by hobby shops. Several LARGE prizes are planned including kits and radio gear.
4. Basic Builder Options:
 - Any Sailplane that you want (Thermal, Slope, or Electric)
5. Bonus II Builders Options (one extra ticket each):
 - An Established "Club Model", such as the Illusion, LS-1, or Spirit 100.
 - A Combat Slope model.
 - A composite 4 channel thermal duration model.

Wind Takes Sailplanes at Washburn HS

"The wind took it!" was heard a number of times as the students in Jeff Kreis' Aircraft Design class first flew the Gentle Lady sailplanes they had built. To which the volunteers from the Minnesota R/C Soaring Society replied, "That's why you have the controls, to correct for the effects of the wind."

All eight groups successfully flew their model before the last day of class on January 23. Almost all flights were during light snowfall, with several inches on the ground and sub-freezing temperatures, but light winds. Launches were with a mini-highstart (bungee launch).

The models which were built straight were the easiest to fly. None of the planes broke in flight. Almost all crashed and suffered some damage due to inexperience in handling the sensitive controls. Most were repaired and flown again another day.

These students are to be commended for not becoming discouraged. They were determined to fix them and fly again, similar to the experiences of the Wright brothers and of Paul MacCready with the Gossamer Condor.

Group size was generally four persons, and they had only six weeks to do the building and flying. The first flew in just less than four weeks. Students ranged from freshman to seniors and two of the thirty were females. Bill Igoe of MRCSS observed that the girls seemed to read and understand the instructions better.

This was the second class this school year to build radio-controlled sailplanes at Washburn High School in Minneapolis. The first class, of 32 students, built their models between September 29 and October 31.

The MRCSS club helped out by loaning four radios and some of the necessary equipment for covering the sailplanes. Two of the radios and two covering irons were purchased with Youth Education Stipend funds from our national parent organization, the Academy of Model Aeronautics. Thanks are due to Russ Bagley, Dick Nordquist, Jim Smith, Conrad Sowder and Greg Stewart for the loan of their equipment.

Bob Griffiths, Bill Igoe and Jim Ladwig agree it was a rewarding experience to help these students and urge other members with free time to help next time we are called upon. That opportunity may come when school opens in the Fall of 1998.

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MRCSS APPLICATION/RENEWAL FORM

NAME: (CHANGES ONLY) _____ AMA: _____
STREET: _____
CITY: _____ STATE: _____ ZIP: _____
PHONE (N): _____ PHONE (D): _____
EMAIL: _____
COMPUTER RADIO CHANNELS: _____

OTHER RADIO CHANNELS: _____

FEES: Associate \$10 (Newsletter Only)
FULL / FAMILY \$20
Junior (to age 16) \$10

MAKE CHECKS PAYABLE TO "MRCSS"

Please return to **JIM LADWIG**

Schedule of Events:

March	19th	meeting
April	16th	meeting
	18th	fun fly
May	16th	Builders Contest (Andy Karl)
	21st	meeting
	23rd	fun fly
June	6th	Contest (Brian Brinckman)
	18th	meeting
	20th	fun fly
July	t.b.d.	Nostalgia Contest (Mike Martindale) AMA pending
	16th	meeting
	18th	fun fly
August	15th	Contest (Bob Botha)
	20th	meeting
	22nd	fun fly
Sept.	17th	meeting
	19th	fun fly
	26th	Sailplane Regatta (Mike Trutwin) AMA pending
Oct.	15th	meeting
Nov.	19th	meeting
Dec.	17th	meeting

MRCSS CLUB RECORDS

January 98

LONGEST SLOPE DURATION

ALL TIME HIGH RECORD

CLASS	NAME	TIME	DATE	NAME	TIME	DATE
1.5M/HL				JIM SMITH	2:43:10	6/88
2 METER				K. ROGERS	4:29:00	10/87
STD				TOM RENT	3:17:07	8/89
OPEN				K. ROGERS	2:45:38	10/82

LONGEST THERMAL DURATION

HL	NAME	TIME	DATE	NAME	TIME	DATE
ILLUSION HL				Brian Brinkman	0:46:01	7/96
ILLUSION				Dave Degroot	0:11:13	5/96
1.5M						
2 METER				K. ROGERS	1:37:48	8/83
STD				R. DIABAIISO	2:13:00	6/87
OPEN				S. BOWMAN	3:17:10	5/90

LONGEST ELECTRIC DURATION

5/6 CELL	NAME	TIME	DATE	NAME	TIME	DATE
7 CELL				TOM RENT	0:44:49	4/93
OPEN				J. SMITH	2:44:12	8/94
				Brinkman	1:04:38	9/94

FLIGHTS AFTER 6 pm

SLOPE	NAME	TIME	DATE	NAME	TIME	DATE
THERMAL				C. KOTVAL	0:45:02	4/88
ILLUSION HL				Jim Ladwig	0:00:09	5/96
Thermal						
ELECTRIC				JIM SMITH	0:20:44	8/93

CROSS COUNTRY FLIGHTS

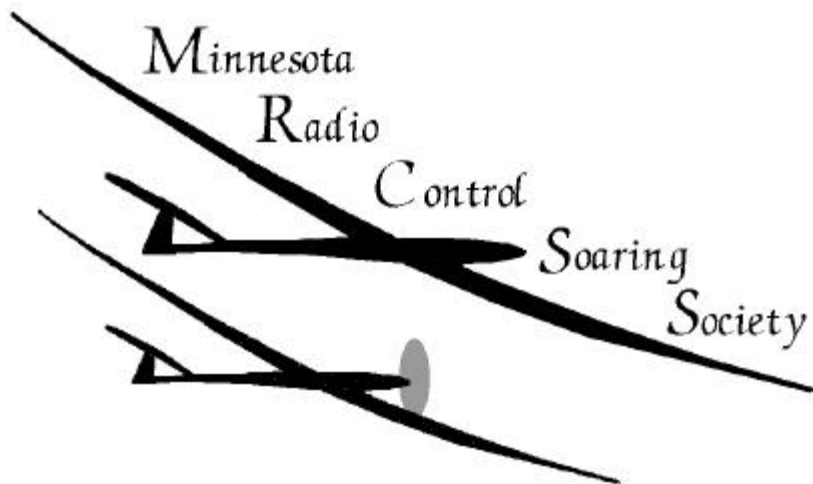
<12' SPAN	NAME	TIME	DATE	NAME	TIME	DATE
>12' SPAN				KARL/ PERECMAN	6 MILES	6/90

*** BOLD NAMES REFLECT ACTIVITY RECORDED DURING THE MONTH ***

PHONE ALL RECORDS INTO JIM SMITH..831-8184.

LOTS OF OPEN RECORDS PICK A CATEGORY AND GO FOR IT !!!

Steve Stadler / MRCSS
786 Cannon Ave.
Shoreview, MN 55126



STUFF

MRCSS Transmitter Bags - \$6 each

Shirts - \$8 each,

Tom Rent - 435-2792

Radios for Sale from Craig Christensen:

Futaba Conquest

N/B 6 ch AM Ch 44 W/ 2-S38 Servos \$125

N/B 4 ch FM Ch 52 W/ 2- 3101 Servos \$175

Futaba Attack-4

N/B 4 ch AM Ch 26 W/ 2-S-133-MCR-4A \$175

N/B 4 ch AM Ch 24 W/ 2-S-133 Servos \$150

Airtronics Vanguard

N/B VG4R/102 4 ch FM Ch 14 3-102 \$125

N/B VG4R/501 4 ch FM Ch 15 2-501 \$175

N/B VG4R/501 4 ch FM Ch 24 2-501 \$175

Craig Christensen 612-435-7406 after 4:30

FIRST CLASS MAIL