

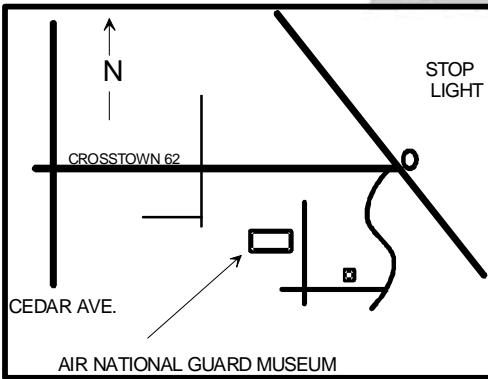
# Looking Up!!

# March 1998 : Issue #13

## 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**  
5354 Newton Ave. S.  
Minneapolis, MN 55419



## MRCSS Messaging System

### Call 953-3612

Get up to the minute information on club events, contests, and fun flies. Or maybe you just want to find out where everyone is flying today. So leave a message before stuffing your car full of wings and let the other members know where your going.

Directions for use:

- Instructions on the answering machine will guide you to the MRCSS Messaging System.
- To leave a message for all MRCSS members you will need to wait for the beep.
- To find out if there are messages to listen to, wait for the beep, then press 555. If it says you have messages, press

## MRCSS Club Officers:

PREZ: Mike Trutwin 953-3612  
 VP: Kirk Hall 866-1388  
 SECR: Jim Ladwig 920-1245  
 TRES: Jack Peregman 377-4166  
 EDITOR: Steve Stadler 483-5894  
 EDITOR: Andy Karl 926-6538  
 DISTR: Jill Trutwin 953-3612  
 RECORDS: Jim Smith 831-8184  
 LIBRARY: John Croke 891-1029

## INSTRUCTORS = HELP FOR BEGINNERS

Corky Wald 459-2005 Cottage Grove  
 Julian Bristow Lakeville  
 Bob Botha 507-345-1832 Mankato  
 Bill Sampson 425-3422 Osseo

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

JIRIK SOD FARM	ROBINSON LANDSCAPING	PRESCOTT SLOPE	SUPERSLOPE
4 miles East of <b>FARMINGTON</b> 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 <sup>th</sup> street) in <b>Lino Lakes</b> . This is the Sod Farm on the South side of the road. <b>DO NOT FLY ON THE SOD FARM ON THE NORTH SIDE OF THE ROAD.</b>	8 miles east of Prescott Wisconsin on Hwy. 10 Take Minnesota Hwy. 61 to Hwy. 10 just north of Hastings. East on Hwy. 10 into Wisconsin, through Prescott. Continue east on Hwy. 10 8 miles to "The Virginian" restaurant on north side of road. Park in north-west corner of lot, hop the electric fence and climb the hill. beware the fence. It's hot! N.N.W. to N.E. winds.	4 miles SE of <b>Northfield</b> . Take MN 246 to Ibson ave. South on IBSON then East on 135 <sup>th</sup> to Isaacson Trail. Isaacson Trail follows top of the Ridge. SSE to WSW winds at 5-25 MPH needed.

## FIELD RULES for SOD FARMS

### Nos

- No walking on newly seeded or new growth area
- No driving or parking on the property unless owner permission given on the day you visit (even on "on site" roads).
- No Smoking or Alcoholic beverages
- No Littering
- No music or yelling
- No walking on wet areas
- No recreational vehicles
- No flying of GAS models
- No flying near owner buildings
- No assisting none-insured flyers
- No parking in front of access points

### YESs

- Use bright colored streamers on all stakes
- Use frequency board when 5 or more members are flying
- Take all trash home with you
- Pick up any debris found, even if it is not yours
- Park only on the road, and appropriately
- Yield to all farm work and all farm workers, be friendly!
- Use off-site rest rooms
- Report all questionable none-MRCSS activities
- Report rule violations to a Leader Member
- YOU ARE A GUEST .... SO ALWAYS ACT LIKE ONE

## Schedule of Events:

March	19th	meeting 7:00 – 10:00 pm Air National Guard Museum
April	16th	meeting 7:00 – 10:00 pm Air National Guard Museum
	18th	fun fly
May	16th	Builders Contest (Andy Karl)
	21st	meeting 7:00 – 10:00 pm Air National Guard Museum
	23rd	fun fly
June	6th	Contest (Brian Brinckman)
	18th	meeting 7:00 – 10:00 pm Air National Guard Museum
	20th	fun fly
July	16th	meeting 7:00 – 10:00 pm Air National Guard Museum
	18th	fun fly
	25th	Nostalgia Contest (Mike Martindale) AMA pending
August	15th	Contest (Bob Botha)
	20th	meeting 7:00 – 10:00 pm Air National Guard Museum
	22nd	fun fly
Sept.	17th	meeting 7:00 – 10:00 pm Air National Guard Museum
	19th	fun fly
	26th	Sailplane Regatta (Mike Trutwin) AMA pending
Oct.	15th	meeting 7:00 – 10:00 pm Air National Guard Museum
Nov.	19th	meeting 7:00 – 10:00 pm Air National Guard Museum
Dec.	17th	meeting 7:00 – 10:00 pm Air National Guard Museum

## WING IT !

By: Mike Trutwin

It's the end of February and as I sit down to write this it's 58 degrees outside. Crazy! It's like we've been through some kind of time warp and skipped winter. I suppose just because I said that there's some blizzard brewing outside right now as you read this. Oh well, for right now spring is here. The warm weather has me real excited to complete all those building projects, but time is running out. That due date for the builders challenge is coming up fast and I'm not sure my F-86 sloper is going to make it. We had a really good showing of finished airplanes at the last meeting, and I expect there will be more for March. I even know that a few of you have taken advantage of the warmer weather and now have a jump on the flying season. That's great!

Before you go stuffing your planes in the car next time, call into the MRCSS Messaging System and let the rest of us know when and where you plan on going. I tried keeping it as simple as possible so it gets used more often. Let me know if you have any problems. Instructions will be printed on the cover of every newsletter. I think most of us have been calling a few members that we know may be interested in joining in on a day of flying, and this messaging system is not meant to replace that process, but rather try to reach those that were away, and more importantly, give all members the opportunity to join in on a flying venture. I think I can safely say we all enjoy flying a little more when there's someone around with the same interests to share it with. The messaging system should also work great for contest directors and fun-fly coordinators providing last minute details about upcoming events. Remember this system will only work if you call in and leave a message. Give it a try!

If all the paper work goes through, the Prescott slope should be one of our insured sites by the 1<sup>st</sup> of April. The land owner has given us permission to use his land, and all seems to be on track. So have at it! See the front page for directions. The slope faces due north with bowls and points and a portion that turns and faces north-east. Cattle graze the hill so the grass is short and landings become a little tougher on the planes. The slope is not as tall as the superslope in Northfield, but it is steeper with good lift. Just a side note: The land owner's son (farm to west) may have an interest in learning to fly. So if the opportunity arises, let's see what we can do to help him quench his curiosity. Thanks to all those involved in acquiring this site.

The Hager City slope proposal from Northern Sky Gliders Association (N.S.G.) has arrived. Here's the deal.

-N.S.G. is offering a trial 1 year R.C. class membership to their club.

-MRCSS membership will not be associated with N.S.G. membership.

-At this time, membership is limited to just 6 members.

-N.S.G. is requiring members to have slope flying experience.

-Yearly membership is \$40.00

If you are interested, contact me before March 20<sup>th</sup>, and I'll send you an information packet with all the details along with an application form.

Mike Trutwin (612)-953-3612  
16842 Glencoe Ave. mtrutwin@profdesign.com  
Lakeville, MN 55044

## Meeting Minutes - February 19, 1998

Called to order at 7:33 P.M. by Pres. Mike Trutwin.

VISITORS - None. Previous visitors Larry Sorenson and Geoffrey Cooke became members tonight.

MRCSS ANNUAL PARTY - Thanks were given to Don and Gert Patterson for the lovely evening at their home and to all those that brought the delicious food.

HAGER CITY SLOPE - The Hang Glider club has agreed to institute for one year a special "R/C Glider" membership in their club. Cost is \$40 per year and up to 6 experienced flyers will be accepted, with a signed waiver of liability. Contact Mike Trutwin for details.

NORTHFIELD SUPERSLOPE - Nothing new.

PRESCOTT SLOPE - Larry Sorenson has provided the owner information, and the site is being insured. We are to add the map of this site to our newsletter.

INCORPORATION STATUS - Registration of our incorporation is ready to send when a check from the Treasurer is received.

BUILDER'S CONTEST - John Croke reports prizes are beginning to come in. Andy Karl, CD, will apply for an AMA sanction for this event. Beauty Contest will be the same day (May 16). Some prize donors do request a copy of the sanction. Also, Mike Trutwin has forms for acknowledging donations for use by solicitors from MRCSS. 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. By voice vote the deadline for earning bonus raffle tickets for completion of models this year was extended to the MRCSS meeting in April.

MONTHLY CLUB RAFFLE - Mike Martindale has accepted responsibility for the raffle at each meeting. Tickets are \$1 (6 for \$5), prizes can be donated by individual members, (kits, materials or supplies) or will be purchased from the raffle proceeds. Ed Berris did donate an Ace Easy Eagle kit for the February raffle, which brought in \$38. (Jim Ladwig won the kit.) A separate accounting for these funds is to be made to assure club benefit, which will be enhanced by the donation of prizes by members.

MESSAGE SYSTEM - Ed Berris brought in and gave to Mike Trutwin the messaging device. Mike will provide the phone line for trial use this season. The intent is to have messages about flying activities, either from the CD or individuals. All members will have access to hear and to leave messages, and instructions will be published. One problem in the past has been the procedure for erasing of old messages, responsibility for which is to be reestablished.

NEWSLETTER - Electronic distribution of February's newsletter was full of problems. The sentiment is to try to overcome the technical difficulties. Steve Metz said his offer was to search for technical articles in other club newsletters, if those could be provided to him. Members are urged to contribute photographs and/or articles to the MRCSS newsletter. Deadline is 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.

CONTEST SCHEDULE - Final schedule is:

May 16	CD Andy Karl
June 6	CD Brian Brinkman
July 25	CD Mike Martindale
Aug 15	CD Bob Botha
Sep 26	CD Mike Trutwin.

Kirk Hall is coordinating 1998 Fun Fly events.

PLAQUES AND STICKERS - Ed Berris is looking into new plaques for new members and he will supply stickers for the permanent award plaques when the CD sends Ed contest results.

PRESENTATIONS AT FUTURE MEETINGS - There were no volunteers for future presentations at this time.

MRCSS PICNIC - Stanton Airport is again a possibility for this event, which was rained out last year. Steve Metz will investigate possible summer or fall dates.

YOUTH MEMBERSHIPS - By voice vote the age for MRCSS Youth Membership was changed from "under 16" to "under 19" to agree with the recent change in AMA policy. Also, students from the Washburn HS program are eligible for a 1 year MRCSS membership at no cost. (Cost for AMA membership is now \$1 per year for those under 19 on July 1. With Model Aviation magazine, cost is only \$13 a year.)

FEBRUARY FUN FLY - Field and lake conditions were judged unacceptable for flying this weekend.

GLASS FIBER SUPPLY - Kirk Hall mentioned he knows a builder of large R/C models who may be able to supply glass cloth at reasonable prices. Call Kirk.

Meeting adjourned at 8:28 PM.

## **Launching Device, Travelling Case and Thermal & Slope Gliders Shown in Feb.**

Ed Berris brought a device he built for assisting in the bungee launch of high-speed models. From plans by the Silent Squadron, it is used to hold the free end of a 5/8 inch super bungee during a 100 pound pull. A loop is used to attach the bungee to the model, which is set on launching rails on the device. By pressing a foot pedal, the flyer releases the bungee, thus launching the model at a speed of 100-150 mph while having both hands free to operate the controls.

Maynard Vogelgesang showed his completed Sagitta 600 with spoilers, which he has not yet flown.

Bill Young told about his all-wood U-2 sloper. Span is about 6 feet, and he expects it to weigh 33 oz ready to fly. Wing is foam core, and aileron and elevator controls are used. Bill said it required much carving and hollowing of balsa, and that he used a paint made for car bumpers to give a flat black finish.

Larry Sorenson displayed a case (sold for carrying archery bows) which he used to transport two models to Tucson, AZ in January. The case and the models stood up well to the rigors of cargo-hold travel. His Apache (P-51) sloper fit well, but Larry had to modify his RCHLG with wing and stab rods for disassembly to nest in with the sloper. He said that Tucson Mountain has 240 degrees of flyable slope.

Mike Trutwin once again brought in his foam-and-glass F-86 slope model, showing the progress he has made. The fuselage is solid foam and, with a predicted wing loading of 10 ounces per sq ft, may well stay that way.

## **Composite Molds and Plugs Described**

Mike Trutwin and Mike Martindale gave a very good presentation on various techniques for making composite fuselages. Each brought in examples of the molds and plugs they have made, and described how they did them. Those who did not attend will be glad to hear that the proceedings were videotaped by Jill Trutwin, who captured many of the great shots in the video on slope flying which is in our library.

## **Place to Build – Mike Trutwin**

I thought I would give you a little tour of my workshop. I know from my visits to other members shops how valuable a little tour can be. You would be amazed at what creative ideas you come across. Anything from clamps to paint booths. Everyone has a unique way of accomplishing similar tasks and it's always nice to find an easier, cheaper, or better solution to any of them.

My shop space is downstairs in the would be family room. An area about 12' x 24'. Thank goodness for an understanding wife. The primary task I tried to accomplish in my shop area was the ability to exhaust dust and fumes that so many of us have a hard time dealing with. Luckily for me my basement is a walkout with sliding doors. I've taken the end of the shop nearest the walkout and deemed it the dirty side. All sanding, cutting, fibreglassing, etc. are done there. I made a removable sliding partition that hangs from the ceiling and placed it mid shop to prevent dust and fumes from passing through to the rest of the house. When not in use they can be slid open for easy access through the entire area. In the photo you can see my exhaust system that's been very effective, flexible, and inexpensive. It comprises of a piece of 2" rigid foam that fits into the open portion of my sliding door. I've cut a slot in the foam at the bottom so it fits snug on the door tracks. Then I reinforced the bottom 1/3 or so of the panel with 1/8" masonite, just gluing it on. I then cut an opening the size of my exhaust fan (Fleet Farm special) into the now composite panel. I realized that there would be times when I didn't want the fan running but didn't want to remove the panel from the door either, so I made a sliding door out of the same foam and masonite along with a couple a 2x4's for guides. Now I can turn off the fan, close off the opening and have a totally sealed and insulated closure. For this system to be real effective you must allow for make up air somewhere else in the house. I just crack open a window on the clean side of the shop. My hanging partition doesn't need to fit tight across my shop to keep dust out as the air flow is always going one way, out! I can crank up my table saw in there, cut boards all day and not get any dust in rest of the house. Make sure you seal off the area between the two sliding panels of your patio door. I use a strip of 1x1 compressable foam and just tuck it in. Another area to seal off would be any return air vents that are in that room. The whole thing takes seconds to set up and requires no permanent attachments. I'm sure this system could work through other types of windows and doors as well.

If you look at the other photo, you'll see the clean side of the shop. One thing that may be of interest here are the wall racks I've made for wings, fuselages, and misc. boxes. What I've done here is drilled 1/2" holes on the flat side of a few 2x4's at 4" on center one end to the other. Attaching the 2x's to the wall every 2 or 3 feet then placing some 1/2"x12" dowels with foam pipe insulation on them in the holes of the 2x's creates a very flexible storage wall. Drill the holes in the 2x's at a couple degree angle so the stuff on the pegs has more of a tendency to slide toward the wall. Anyone interested in taking a closer look feel free to give me call.

**Welcome New Members!**

Larry Sorenson

Larry is pretty well known as the one who found the Prescott slope site, and has showed us a number of his models, plus the transportation case he brought to this last meeting. His wife is attending college in River Falls, so Larry commutes to his job at ADC Communications in Bloomington.

Geoff Cooke

I understand Geoffery has an extensive background in working with composites. Mike Martindale may have more information on each of these new members.



**Builders Challenge List of Prizes as of 2/23/98**

Thanks to the following corporations:

- SR Batteries – four \$10.00 gift certificates on the purchase of a battery pack.
  - Aveox – an Electraglide II kit, and two 40% off coupons on an Aveox purchase.
  - Robert Mfg. – Six Cans of Power Glide R/C spray.
  - Lymco – a balsa building board.
  - Futaba – 50% off a radio system.
  - Morries Hobbies – 3 video tapes.
  - Great Planes – Coverite sealing iron and a Hobbico heat gun.
  - Master Airscrew – 3.5:1 gearbox.
- And the list grows daily!!!

More Donations are needed. If you can donate a new (unused) prize, please send them to:

John Croke  
15797 Highview Dr. Apple Valley, MN 55124





	A	B	C	D	E	F
1	Allulis, Joe	9402 Suland Circle	Ellicott City	MD	21042	
2	Anderson, Shawn	11 East 50th Street	Minneapolis	MN	55419	
3	Assad, Steve	5211 38th Avenue South	Minneapolis	MN	55417	
4	Bach, William	3149 32nd Avenue South	Minneapolis	MN	55406	
5	Baker, Bob	1408 62nd Street	Des Moines	IA	50311	
6	Berris, Ed	5280 Lockloy Dr.	Edina	MN	55436	(612) 920-2464
7	Botha, Bob	1630 Nottingham Drive	N. Mankato	MN	56003	(507) 345-1832
8	Bristow, Julian	17091 Javelin Ct.	Lakeville	MN	55044	
9	Brophy, Jim	479 Laurel Ave.	St. Paul	MN	55102	(612) 227-0723
10	Christensen, Craig	16550 Linch Path	Lakeville	MN	55044	(612) 435-7406
11	Cooke, Geoff	1130 Northwood Dr	Eagan	MN	55121-2072	612-905-9448
12	Croke, John	15797 Highview Drive	Apple Valley	MN	55124	(612) 891-1029
13	Cross, Brandon	3853 Park Avenue South	Minneapolis	MN	55407	
14	Dahl, Rodney	4279 Sequoia Dr.	Eagan	MN	55122	(612) 454-8889
15	DeGroot, Dave	4208 W. 157th St.	Rosemount	MN	55068	(612) 423-2459
16	Dew, Andy	3212 20th Avenue South	Minneapolis	MN	55407	
17	Diedrich, Tyler	4036 Clinton Avenue South	Minneapolis	MN	55409	
18	Dosland, Ian	3206 Taylor St NE	Minneapolis	MN	55418	
19	Engleson, David	2177 James Ave.	St. Paul	MN	55105	
20	Erdrich, Richard	12420 Bacardi Ave.	Rosemount	MN	55068	(612) 423-1809
21	Graeff, Mark	3213 18th Avenue South	Minneapolis	MN	55407	
22	Griffiths, Robert	5033 Indianola Ave.	Edina	MN	55424	(612) 926-6051
23	Hanson, Jack	3908 Poplar Bridge Road	Bloomington	MN	55437	(612) 831-8224
24	Harold, Bob	519 N. Youlon St.	West Salem	WI	54669	(608) 786-0856
25	Harris, Ray	3149 Jersey Ave. S.	St. Louis Park	MN	55426	(612) 929-8155
26	Heggen, Eugene	480 Sherwood Dr.	Gilroy	CA	95020	
27	Hocker, Ben	5730 Covington Circle	Minnetonka	MN	55345	(612) 474-2285
28	Hott, David	191 Logan Avenue North	Minneapolis	MN	55405	
29	Huemmer, Walt	1292 Bayard Ave	St. Paul	MN	55116	(612) 699-6946
30	Igoe, Bill	10519 Maryland Rd.	Bloomington	MN	55438	(612) 944-7981
31	Kaiser, Michael	4621 Nocollet Ave. S. #4	Minneapolis	MN	55409	
32	Kouanechao, Tommy	4517 Park Avenue South	Minneapolis	MN	55407	
33	Koulavong, Chenny	2820 Blaisdell Avenue South	Minneapolis	MN	55408	
34	Kreis, Jeff	201 West 49th St.	Minneapolis	MN	55409	
35	Ladwig, Jim	5354 Newton Ave S.	Minneapolis	MN	55419	(612) 920-1245
36	Leon, Benjamin	2520 Queen Ave. N.	Minneapolis	MN	55411	
37	Martindale, Mike	84 Oak Street	Mahtomedi	MN	55115	(612) 653-9312
38	McLafferty, Brian	5625 James Ave. S.	Minneapolis	MN	55419	
39	McNeill, Jim	617 S. 20th Ave.	Birmingham	AL	35205	
40	Metz, Stephen	1387 Englewood Ave.	St. Paul	MN	55104	(612) 644-5071
41	Miller, Robert	1624 East 57th Street	Minneapolis	MN	55417	
42	Nguyen, Chanh	2609 Blaisdell Ave S #708	Minneapolis	MN	55408	
43	Okinow, Harold	7115 Foothill Dr.	Paradise Valley	AZ	85253	(602) 905-7331
44	Palen, Luke		North Oaks	MN		(612) 490-7963
45	Paske, Terry	RT 4, Box 160	Rochester	MN	55906	(507) 753-2064
46	Patterson, Donald	435 Comstock Lane	Plymouth	MN	55447	(612) 476-2057
47	Pierce, Louis	5151 E. Memorial Dr.	Muncie	IN	47302	
48	Rent, Tom	17540 Kodiak Ave.	Lakeville	MN	55044	(612) 435-2792
49	Rosenquist, Dick	1321 W. 22nd St.	Hastings	MN	55033	(612) 437-2331
50	Schworer, Tom	2651 Rice Creek Rd Apt 106	New Brighton	MN	55112	-612
51	Skovbrotten, Jason	5249 Columbus Ave S	Minneapolis	MN	55417	
52	Smith, Jim	9919 Oxborough Rd.	Bloomington	MN	55437	(612) 831-8184
53	Sorenson, Larry	650 Hazel Street	River Falls	WI	54022	715-426-4918
54	Sowder, Conrad	5909 Park Ave.	Minneapolis	MN	55417	(612) 869-6244
55	Stadler, Steven	786 Cannon Ave.	Shoreview	MN	55126	(612) 483-5894
56	Stewart, Greg	4933 Vincent Ave. S.	Minneapolis	MN	55410	(612) 925-1747
57	Sullivan, Floran	11355 36th Pl. N.	Plymouth	MN	55441	(612) 559-0767
58	Teeter, Andy	4906 Lyndale Ave S	Minneapolis	MN	55409	
59	Trutwin, Mike	16842 Glencoe Ave.	Lakeville	MN	55044	(612) 953-3612
60	Vogelgesang, Maynard	3365 143RD ST W.	Rosemount	MN	55068	(612) 423-2586
61	Wang, Jerry	3138 4th St SE	Minneapolis	MN	55414	
62	Young, Bill	9144 Brentwood Tr.	Woodbury	MN	55125	(612) 702-0607

	G	H	I
1			Guest, paid thru 98
2			Washburn, paid thru 98
3			Washburn, paid thru 98
4			Washburn, paid thru 98
5			Guest, paid thru 98
6	imhermie@earthlink.net	AMA # 446736	Full, paid thru 98
7	botha@rconnect.com	AMA # 101854	Full, paid thru 98
8	bristow_julian@htc.honeywell.com	AMA # 369344	Full, paid thru 98
9	jbrophy@aol.com	AMA # 401571	Full, paid thru 98
10		AMA # 85771	Full, paid thru 98
11		AMA#	Full, paid thru 98
12		AMA # 507721	Full, paid thru 98
13			Washburn, paid thru 98
14		AMA # 61960	Full, paid thru 98
15		AMA # 85243	Full, paid thru 98
16			Washburn, paid thru 98
17			Washburn, paid thru 98
18			Washburn, paid thru 98
19	dengleson@cunningham.com		Full, paid thru 98
20		AMA # 130429	Full, paid thru 98
21			Washburn, paid thru 98
22		AMA # 8882	Full, paid thru 98
23		AMA # 423923	Full, paid thru 98
24	bobcanman@aol.com	AMA # 2457	ASSC, paid thru 98
25		AMA #12380	Full, paid thru 98
26	heggenglaring@thegrid.net	AMA # 368019	ASSC, paid thru 98
27	bhocker@pmlink.com	AMA # 44159	Full, paid thru 98
28			Washburn, paid thru 98
29			Full, paid thru 98
30	bill.igoe@juno.com	AMA # 36496	Full, paid thru 98
31			Washburn, paid thru 98
32			Washburn, paid thru 98
33			Washburn, paid thru 98
34			Guest, paid thru 98
35	jjimladwig@internetmci.com	AMA # 23709	Full, paid thru 98
36			Washburn, paid thru 98
37	burfo001@gold.tc.umn.edu	AMA # 494683	Full, paid thru 98
38			Washburn, paid thru 98
39			Guest, paid thru 98
40	metz_steve@htc.honeywell.com	AMA # 2332	Full, paid thru 98
41			Washburn, paid thru 98
42			Washburn, paid thru 98
43		AMA # 52953	Full, paid thru 98
44	polydor@concentric.net		Full, paid thru 98
45	tapaske@juno.com	AMA # 13089	Full, paid thru 98
46	dgphtml@isd.net	AMA # 1722	Full, paid thru 98
47	louisp@modelaircraft.org		Guest, paid thru 98
48	tmrent@goldengate.net	AMA # 216998	Full, paid thru 98
49	drosenqu@citolink.com	AMA # 98124	Full, paid thru 98
50		AMA # 174661	Full, paid thru 98
51			Washburn, paid thru 98
52	jamescsmith@worldnet.att.net	AMA # 220173	Full, paid thru 98
53	sorenson@adc.com	AMA# 604237	Full, paid thru 98
54	conrad.sowder@guidant.com	AMA # 383039	Full, paid thru 98
55	sstadler@holadayinc.com	AMA # 236470	Full, paid thru 98
56	gstew@aol.com	AMA # 95055	Full, paid thru 98
57		AMA # 584524	Full, paid thru 98
58			Washburn, paid thru 98
59	mtrutwin@profdesign.com	AMA # 441508	Full, paid thru 98
60	mwvogel@juno.com		Full, paid thru 98
61			Washburn, paid thru 98
62			Full, paid thru 98



# 1998 MRCSS FREQUENCY USAGE CHART

Feb 1, 1998

CH	Computer	Regular	CH	Computer	Regular
00			30		Rent, Carver Rosenquist, Dahl
01			31	Okinow	Lamatsch
02			32	Metz, Harold, Okinow	Berris, Lamatsch Rent
03			33	Rent Stewart	
04			34	Schmidt, Berris, Paske	Rent, Stewart, Paske, Brinkman
05			35	Harold	Harold
06	Bagley	Bagley	36		Berris, Lamatsch
07			37	Okinow	Paske
08	Huemmer		38	Berris, Karl Christensen	Bagley, Brinkman Berris, Hocker
09			39	Stadler, Berris	
10			40	Berris Degroot	Bagley, Trutwin, Hocker Karl, Kotval, Wald
11		Rent, Sampson	41		Hanson
12		Rent, Vogelsang Van Benthuysen	42		Wald, Rosenquist, Bristow
13	Hall	Paske	43		Nordquist, Palen
14	Olive	Rosenquist, Paske	44		Griffiths, Vogelgesang Rosenquist, Brinkman
15	Lamatsch	Gold, Clinton, Rosenquist	45	Brinkman	
16	Botha Wald	Cotter, Rosenquist	46	Christensen, Okinow	Brinkman, Metz, Rent Perecman, Dahl
17	Sowder, Hall	Sowder, Paske	47	Martindale, Peterson	Igoe
18	Botha Lamatsch	Botha, Kotval, Olive Nordquist, Christensen Rosenquist, Hocker	48	Okinow, Sorenson	Nordquist, Jorgensen Wald, Patterson, Vogelsang
19	Bristow	Olive	49	Berris, Wald	Palen
20	<b>DO NOT USE. LOCAL INTERFERENCE</b>	<b>DO NOT USE. LOCAL INTERFERENCE</b>	50	Berris Stewart, Young	Perecman, Carver, Wald Rosenquist, Hanson
21			51	Cooke	
22	Stewart	Berris, Rosenquist	52	Huemmer	Griffiths, Olive, Rent Metz, Carver, Dahl, Christensen
23	Perecman	Wald, Sorenson	53	Smith, Engleson	
24		Peterson	54	Metz	Cotter, Karl, Igoe, Sampson. Patterson
25		Sampson, Croke	55	Stewart	Fisher, MRCSS
26		Bristow, Kotval Croke, Berris, Perecman	56		Perecman, Knox Igoe, Hocker
27	Nordquist Perecman		57	Cotter	Bagley, Smith, Sampson Ladwig, Martindale
28	Haley	Bristow, Kotval Degroot, Wald	58	Vogelsang	
29	Trutwin	Sampson	59		Olive, MRCSS

**Please call Jim Ladwig (920-1245) if you ADD or DELETE  
radios so we can keep this list current.**

# MRCSS CLUB RECORDS

February 98

## STUFF

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

### LONGEST ELECTRIC DURATION

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

### FLIGHTS AFTER 6 pm

SLOPE						
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

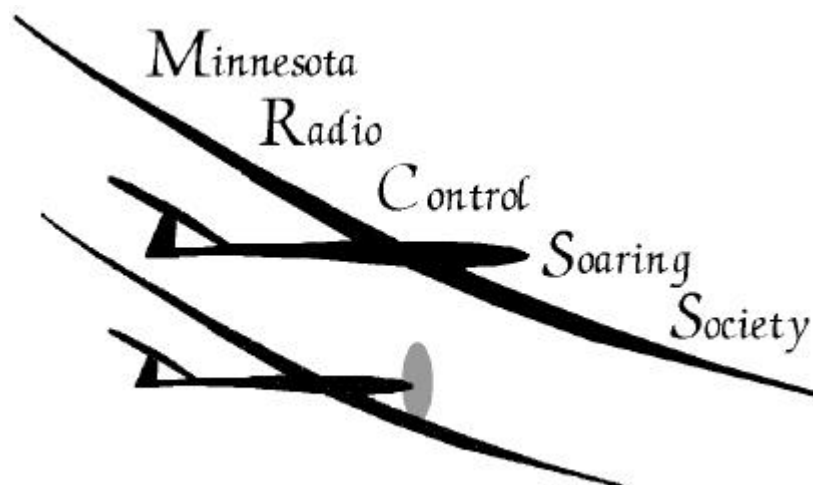
<12' SPAN						
>12' SPAN				KARL/ PERECMAN	6 MILES	6/90

\*\*\* 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



**FIRST CLASS MAIL**



