

# Looking Up

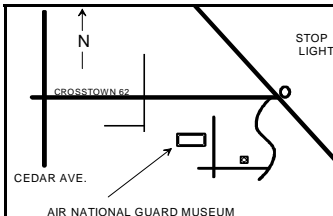
April 1999

Issue 25

## **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 Newsletter

<http://www.rcsoaring.com/mnclubs.htm>

### MRCSS Club Officers:

PREZ: Kirk Hall 866-1388  
VP: Mark Miller 306-9984  
SECR: Jim Ladwig 920-1245  
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TRES: Jack Perelman 377-4166  
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andy\_karl@ccgate.apl.com  
RECORDS: Jim Smith 831-8184  
jamescsmith@worldnet.att.net  
LIBRARY: John Croke 891-1029

### Schedule of MRCSS Events:

Apr.	15th	meeting 6:30 – 10:00 pm Air National Guard Museum
May	20th	meeting 7:00 – 10:00 pm Air National Guard Museum
June	17th	meeting 7:00 – 10:00 pm Air National Guard Museum
July	15th	meeting 7:00 – 10:00 pm Air National Guard Museum
Aug	19th	meeting 7:00 – 10:00 pm Air National Guard Museum

### INSTRUCTORS – HELP FOR BEGINNERS

Corky Wald 459-2005 Cottage Grove  
Bob Botha 507-345-1832 Mankato  
botha@mctenet.net  
Bill Sampson 425-3422 Osseo  
wjsamp@juno.com  
Mike Trutwin 953-3612 Lakeville  
mtrutwin@profdesign.com

JIRIK SOD FARM	ROBINSON LANDSCAPING	PRESCOTT SLOPE	SUPERSLOPE
4 miles East of <b>FARM-INGTON</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, 125th 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 135th 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**

# l o o k i n g u p

## Meeting Minutes - March 18, 1999

The meeting was called to order at 7:30 P.M. by President Kirk Hall.

VISITORS AND NEW MEMBERS - Kevin Finke was our visitor again tonight and took an AMA application. That looks good. Gene Letendre found us on the Web, may join this summer.

PAST FLYING ACTIVITIES - Kirk Hall reported that about six members flew a slope near the south end of the High Bridge in St. Paul yesterday.

FUTURE FLYING ACTIVITIES - No report.

DISTRIBUTION OF NEWSLETTERS - A sheet was passed around for all to indicate whether they wanted the newsletter via the Internet or via the Postal Service. Choice of Internet cuts club costs. All members will receive a printed copy next month, which will include a complete club roster.

SLOPE SITE STATUS - Mike Trutwin said he is pursuing the possible use of the Hager City slope again this year. He will be walking with owner Kevin Green the new South Stanton slope to get details on any concerns there. We must respect the protected plant there. Mike has been unable to contact the new owner of the Super Slope, but we will be able to fly there for a few years.

Walt Huemmer will investigate using the Barn Bluff site in Red Wing. It is a half-hour hike to the top.

## Slope Soarers Shown

Walt Huemmer brought his MAD P-40 Warhawk. Wing is EPP with basswood spars and TE. Tail is corrugated plastic (cloroplast) wrapped on the edges with tubing from bike brake cables. He covered with standard Ultracote over 3M77. Weight is 29 oz., of a kit range of 28-32 oz., and Walt says it flies fast.

Ed Berris showed his partially completed Falcon sloper. He made the fuselage taller and with a longer nose. The foam cores are cut with a special airfoil, and Ed has a template available for the leading edge. Ed says it builds light, the wing having no spar at all. There is glass reinforcement at the center wing joint.

Rod Dahl had his M&M F-86 which has aluminum-glass tape for covering. He used Shoe Goo adhesive. It has aileron & elevator servos, and balance point is at the rear spar of the swept wing.

Luke Palen brought the fuselage of a 40 in. span scale model of the DG800 which he carved from yellow foam. It has three layers of glass filled with thinned Titebond II. A tail boom will have profiles of balsa sheet horizontally and vertically. Wings will mount on joiner rods.

Mark Miller held up the plans for a 3-meter scale model of the Schreder RS-15 pod and boom glider. It will use flaps and ailerons, and Mark is looking for documentation on the full scale aircraft.

Mark's son Brendan is making models by copying patterns from the book Fabulous Paper Gliders on thick card stock. He also has a set of old plans for the Spitfire.

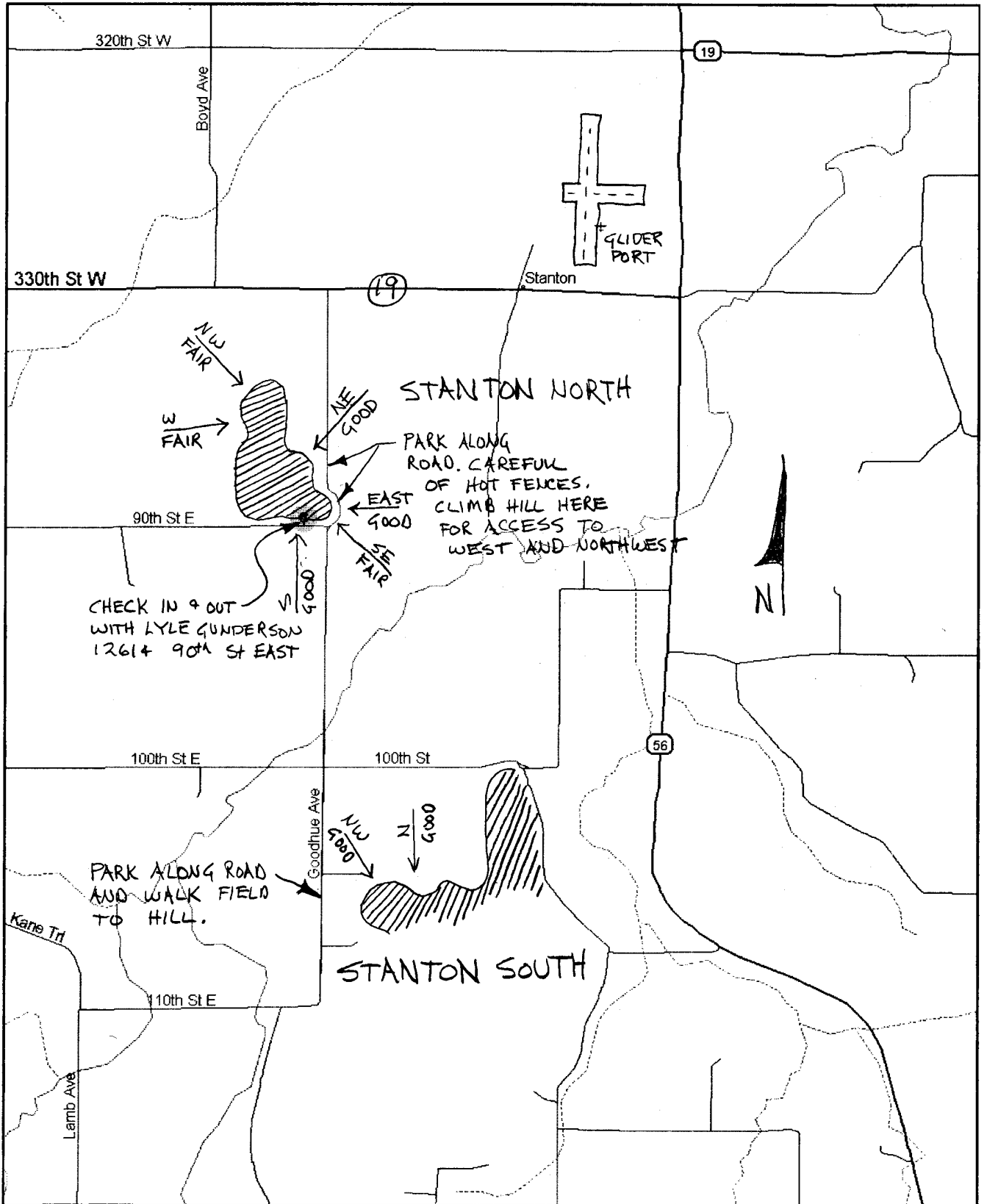
Joe Coghlan showed his Dave's TG-3 EPP, which is said to be good for thermalling as well as for slope soaring. It has a basswood spar and lots of tape. The covering film did wrinkle. Weight is 36 oz. with 3/4 oz. of lead in the nose. Wing slips into the fuselage.

## **Tom Rent Delivers Once Again**

Tom Rent has set up a new and better message line for MRCSS. This is an independent messaging service not tied to anyone's personal phone line. It is now available for you to use to let other members know when and where you are going to fly.

Simply call 612-985-1525 and listen to Tom's instructions. At the proper time, enter "Star" (\*) and the five-digit password 67277 (MRCSS). Press P for Play (7) to hear the first message. Press K for Keep (5) to move to the next message and again press P. Do not press D for Delete (3) while reading messages. Messages will be deleted automatically at the end of 14 days, or Tom will delete unnecessary ones. Do not misread that sweet young voice as saying press T (8) to hear messages, that will get you into the confusing administrative territory that Tom alone understands. The new system looks like a winner!

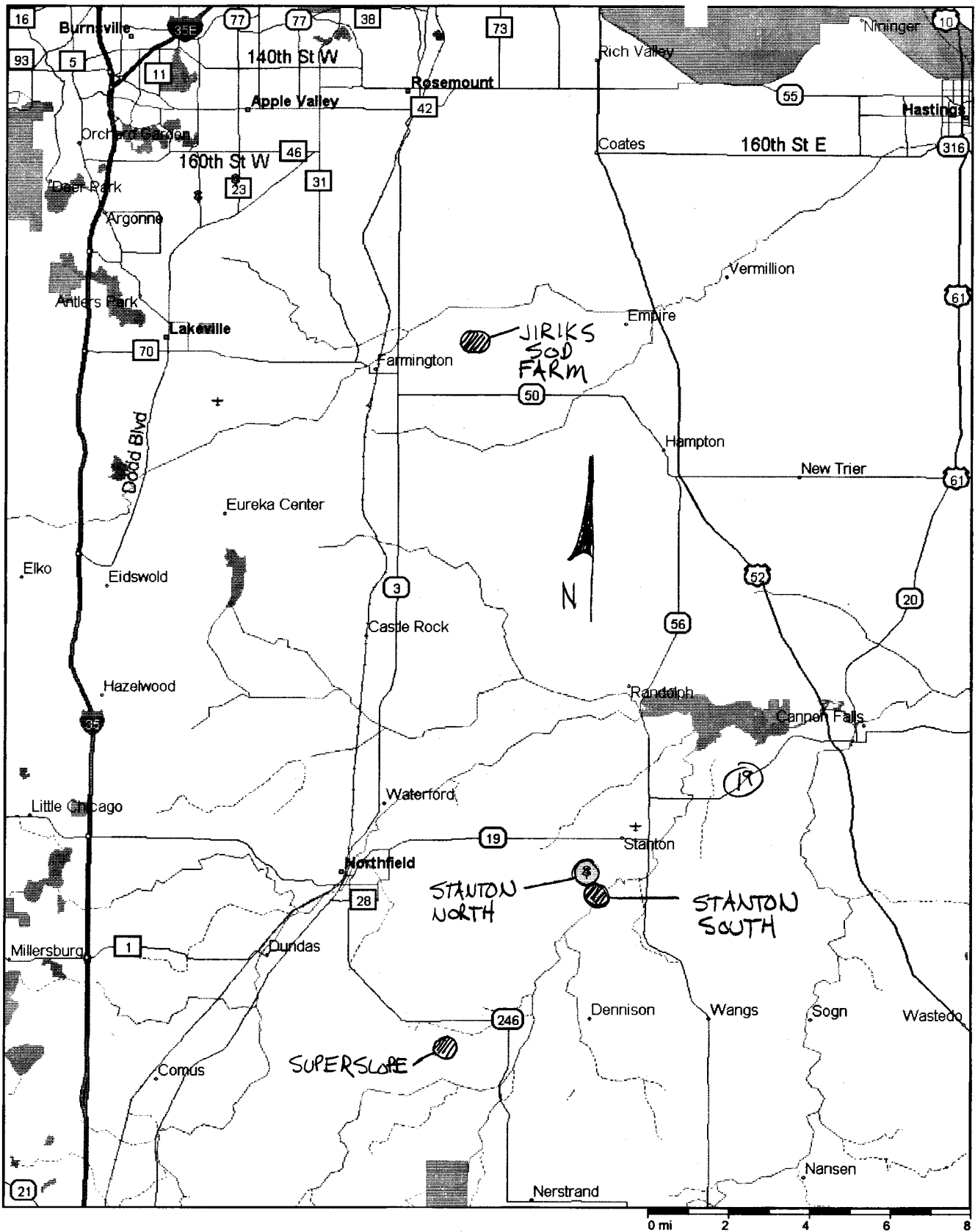
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Microsoft Expedia

**Streets98**

## How to Make Silicone Hinges

by *Graham Woods, editor of The Beacon*

This is a simple way to hinge foam wings. I found this method very durable and I have even smashed a wing and found the hinge unbroken. The natural elasticity of the silicone rubber wants to pull the hinge back to its neutral position so there should be no problems with centering.

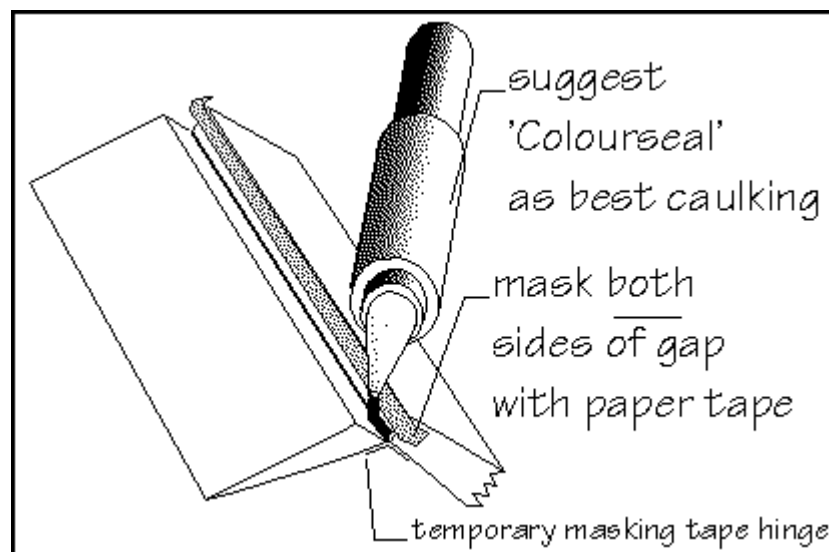
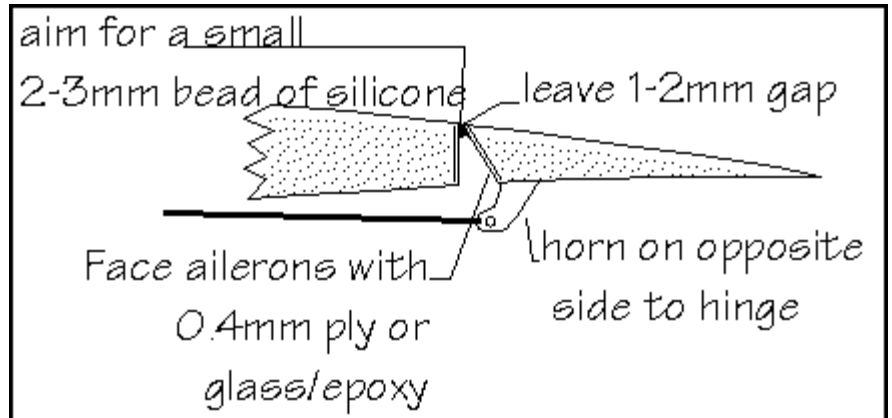
The technique does require some practice to get the size of the silicone bead just right. Practice first on scrap wood.

Not all the varieties of silicone caulking that are available are suitable. I found that the most expensive one, Colourseal (UK brand - ed), to be the best.

### Applying the silicone

After you have cut the aileron or flap from the wing,

1. Face the cuts with either 0.4mm ply or fiberglass and epoxy.
2. Make a temporary hinge with paper masking tape, leaving a small gap of 1-2mm.
3. Mask off the area where you don't want the caulking to go with strips of masking tape. Press the tape down well.
4. Hold the gap open and run a thin bead of silicone along the gap. Smooth out the silicone with a matchstick or similar diameter rod. Excess silicone rubber will come off as you do this.



## l o o k i n g u p

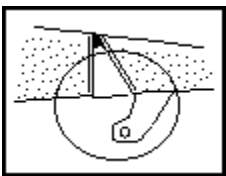
Aim to get the bead as uniform as possible and in contact with the surfaces along the length of the aileron and wing. A correct diameter bead means a light hinge; if it's too stiff you used too much! Mind you, for flaps you might want a stiff hinge.

### The morning after...

When you are satisfied with your efforts, remove the tape masking from the sides of the wing and aileron and return the aileron to the neutral position with tape at each end to secure it. Leave overnight.

When the silicone rubber has dried, carefully remove the temporary paper tape hinge from the top of the wing by peeling it slowly back on itself. (Only use paper masking tape as this enables the caulking to dry effectively.)

### Covering the gap.



To complete the hinge, some method of covering the chamfer gap is needed. Some folk use drafting film but I found chrome self adhesive handlebar tape does the job nicely. It is stiff enough to stay flat, yet flexible enough to bend with the down-going aileron. At around 22% of the chord (on my model) it may also be acting as a high speed turbulator strip - in fact, I extend the tape along the length of the wing.

Cut a strip wide enough to go over the gap and stick the tape in place on the wing. To prevent the exposed tape from sticking to the aileron I cut thin strips of plastic from one of those clear plastic multi-punched pockets and stick them to the exposed tape.

Hi Guys,

I met with land owner Kevin Green this afternoon at the new Stanton South slope. He's actually kind of excited to have us fly on his land. Don't be surprised to have him stop by and check us out once and a while. He gave me a map of where his property lines run and I'll bring it to the next meeting. For now, parking would probably be best right on Goodhue just west of the hill. He didn't have any special requests, but all of our typical site rules apply. I do have maps printed and I have one I could e-mail you if you want. let me know if you are interested in receiving one. The slope faces NW and N. Please let me know how you like it.

Mike Trutwin

# l o o k i n g u p

I HAVE MADE ARRANGEMENTS FOR OUR CLUB TO TOUR THE CONSTRUCTION SITE OF A FULL SIZED AIRPLANE, AT OUR APRIL MEETING IT IS A CURTIS JENNY VINTAGE 1916 . IT MOSTLY MADE OF WOOD SO IT LOOKS LIKE A LARGE MODEL AIRPLANE. .IT IS UNDER CONSTRUCTION AT THE MINNESOTA AIR GUARD MUSEUM (OUR MEETING PLACE . THE PLAN IS TO MEET IN THE LOBBY OF THE MUSEUM AT 6:30 ON APRIL 15 (OUR REGULAR MEETING NITE) AND WE WILL BE GUIDED BY SOMEONE FROM THE MUSEUM.

Bill Igoe

bill.igoe@juno.com

## MRCSS APPLICATION/RENEWAL FORM

NAME: \_\_\_\_\_ AMA: \_\_\_\_\_  
STREET: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
PHONE (N): \_\_\_\_\_ PHONE (D): \_\_\_\_\_  
E-MAIL: \_\_\_\_\_  
COMPUTER RADIO CHANNELS: \_\_\_\_\_  
OTHER RADIO CHANNELS: \_\_\_\_\_  
Delivery of Newsletter :  E-MAIL  US Postal Service

FEES: Associate \$10 (Newsletter Only)  
FULL / FAMILY \$20  
Junior (under 19) \$10

### MAKE CHECKS PAYABLE TO MRCSS

Please return to: **JIM LADWIG** by January 1 sooner is preferred  
**5354 Newton Ave S.**  
**Minneapolis, MN 55419**

**MRCSS CLUB RECORDS**  
1999

STUFF

**LONGEST SLOPE DURATION      ALL TIME HIGH RECORD**

CLASS	NAME	TIME	DATE	NAME	TIME	DATE
1.5M/HL				Tom Rent	3:21:00	10/98
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				Jim Ladwig	0:02:55	5/98
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	0:00:13	5/98
Thermal						
ELECTRIC				JIM SMITH	0:20:44	8/93

**CROSS COUNTRY FLIGHTS**

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

**100 Minute Club**

Thermal      Tom Rent      Level 2  
                  Tom Schworer      Level 1 2M

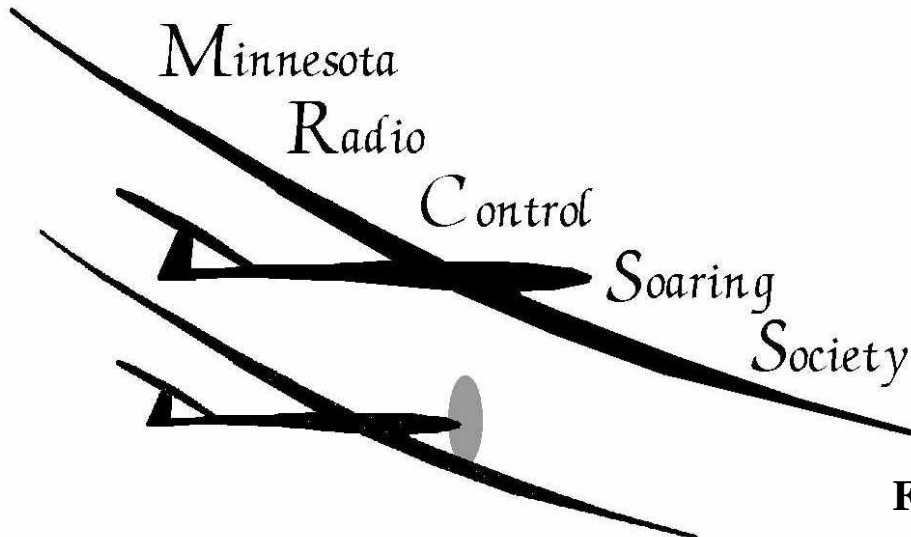
Slope      Mike Trutwin      Level 2  
                  Tom Rent      Level 3  
                                       Level 4  
                                       Level 5

\*\*\* 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**