



# SIERRA SILENT SOARERS

NORTHERN NEVADA'S R.C. SAILPLANE & ELECTRIC FLYERS CLUB

JANUARY 2001

## LETTER FROM THE PRESIDENT:

Hello All,

Well I hope you all had a great holiday season and have a great new year! I'm really looking forward to the upcoming flying season. I have just finished a Windfree glider that I'm dying to try out. The Windfree is a nostalgia glider designed in 1970 and won Nats 3 years in a row. It is a 102" RES ship that weighs in at about 32 oz. For some reason I have a thing for RES.

I also have a couple of other projects in various stages of construction. The one with the highest priority is my P-47 Thunderbolt, I have been working on this thing for over a year now. I originally wanted to have it done for the Mid Winter Electric (MWE) fly-in in San Diego last year! This year it WILL be finished for the MWE. Speaking of the MWE, if you get an opportunity to go, I would strongly recommend it. It is several days of flying everything from park flyers to Hotliners like the ones we have had fun watching Bill fly. It is a low key event

with lots of open flying , and beautifully built planes. I must admit, though, I have yet to go to any fly-in where the planes are as unique as the ones that have come from Ron Marston's hanger. I think we should have a show and tell at one of the upcoming meetings of everyone's projects from the past year.

In the upcoming months I want to concentrate on a couple of things. The first is to work up a budget for the upcoming year. The officers will be getting together prior to the next meeting to work up a preliminary budget. We will probably have to replace batteries; etc. so we should know what monies we will have this year. Along the same lines, I think it would be nice to have a concerted effort to increase the membership, more active members means more resources and more enjoyment for all.

As I mentioned at the last meeting, with the open space bond being approved in the last election, we could be poised to

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### NEW S3 OFFICERS FOR 2001:

President	Adam Kremers
Vice President	Dave Hagander
Secretary/Treasurer	Jim Nelson
Newsletter Editor	Ron Marston
Safety Officer	Lyn Disbrow



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## LETTER FROM THE PRESIDENT: (CONT'D)

start thinking about a permanent flying site. It is possible that there may be land in Washoe Valley set aside for open space. I will keep in contact with the county, and pass along any news on that front.

Finally, I would like S3 to have an organized, well thought out way to raise some funds. This seems to always raise a spirited debate at meetings, with some believing that raising extra money without a specific goal to use it isn't wise. I have to disagree here. By increasing the treasury, we will have the ability to more easily cope with unforeseen expenditures, plus if a permanent flying site looks like a possibility, it would be nice to have some resources available to show we are willing to contribute to a project and not just expect it to be handed to us.

That's enough rambling from here, see you all at the next meeting. And remember to send Ron some pictures and/or reviews/details of your projects to be included in upcoming bulletins, I for one would like to see more of what you are building.

Adam Kremers

## MINUTES OF THE MEETING OF THE SIERRA SILENT SOARERS DECEMBER 5, 2000

The meeting was called to order by President Adam Kremers at 7:40 PM. The minutes of the November meeting were read by Ron Marston, in Jim Nelson's absence.

The statement that Tom, Ron and Oli will donate planes purchased from Dave Richards for the raffle is correct except that the planes are for the club to use, not the raffle. Also, if members choose to pay the \$50.00 annual fee for dues and contests, at least \$18.00 of that (the membership fee) is due now.

The minutes were approved with these corrections. The treasurers report showed a cash balance of \$633.31 as of December 1, 2000.

### Old Business:

Chris Adams and Ron Brown are still working on getting some donations for the raffle. Oliver is still planning on submitting a flying article to RCHTA. Adam will sign up for another year at the Mira Loma Round Table for our meeting place.

### New Business:

Adam is checking into the parks bond issue that passed in November to see if there is land in Washoe valley that is earmarked for park land (possible flying site).

Thank you cards will be sent to the owners of the two fields we fly at. Oliver made a motion that the club buy a \$60.00 gift certificate for the owners of the fields. Motion carried after some discussion.

Adam discussed his goal to increase membership, and the benefits of a bigger membership. Adam will e-mail S&E magazine to get our name listed in the club section in the back.

Ron Marston asked members to give him updated member info/channel usage for the club roster.

Adam also brought up the idea of sponsoring an electric fun-fly event in the future.

Oliver brought up the issue of usage of club funds. Much discussion ensued. Continued page 3



## **MINUTES OF THE MEETING OF THE SIERRA SILENT SOARERS DECEMBER 5, 2000 (CONT'D)**

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It was decided the officers should meet before the general meeting and put together a budget for the year.

It was also decided that officers should meet before each general meeting to make decisions and come up with action items to present at the general meeting.

Items to be discussed by the officers for the next meeting:

- 2001 budget
- permanent flying site
- ways to increase membership
- conduct code
- fun-fly first saturday of each month

The meeting was adjourned at about 8:40 PM.

Respectfully submitted,  
Ron Marston filling in for Jim Nelson, Secretary



Arthur Marston's first experience with a plane-eating tree

## **CONTEST RESULTS, YEAR 2000:**

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Contest results for the year are still being tabulated. Bill Gillis was keeping a running tally until April; from there it has not been kept up, but I believe I now have all the contest scores and the year's tally will be in next month's newsletter.

## **FROM THE NEWSLETTER EDITOR:**

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Greetings from the new newsletter editor! I'm still looking for pictures, articles, airplane reviews, stories, etc., from anyone in the club. (Notice there aren't many pictures in this newsletter. I want your pictures!

Also, I'm still updating the member list/frequency list. The information in this newsletter on page five is current to the information I've received. Let me know if your situation is different from the information in this newsletter.

Ron Marston

## **REMINDERS:**

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The Mid-Winter Electric Festival is in San Diego February 16-19. Should be some very cool stuff to see there.

Dues are still due for the next season. What a small price to pay for all that camaraderie, airplane talk, and club contests. Plus this super cool newsletter. You can now pay in advance for all the contests in the upcoming year. \$50.00, which includes dues. What a deal!

The club award ceremony/pizza party/raffle is the next meeting! (February 6, 2001) Plan on being there, and bring your family.

Meeting place is the Round Table Pizza at Mira Loma and McCarran in Reno.

Please help with donations for the raffle if you can. You know that plane that's been sitting in the box, untouched for the last year; well... donate it!



## NiCAD TESTS:

The December issue of *Electric Flight International* magazine has some good information about NiCads. The author ran some “exploratory tests” on some popular Sanyo NiCad sizes, and tabulated the data in the table shown here.

Two important things are pointed out for this data:

- The best indicator of cell merit is ‘Energy per unit Mass’
- The figures should not be regarded as definitive, since each test point is based on only one discharge from one pack.

VALUES ARE 'PER CELL' WHERE APPLICABLE	TYPE OF CELL	N-500AR	N-800AR	N-1000SCR	N-1250SCR	RC-1700	RC-2000	RC-2400
NOMINAL CAPACITY (AMP MINUTES)		30	48	60	75	102	120	144
NOMINAL EMF (VOLTS)		1.2	1.2	1.2	1.2	1.2	1.2	1.2
NOMINAL ENERGY (WATTS MINUTES)		36	58	72	90	122	144	173
DISCHARGE CAPACITY (AMP MINUTES)		26.6	46	57	69	90	107	120
		28.5	52	60	74	102	115	130
AVERAGE CURRENT DURING DISCHARGE (AMPS)		6.7	11.5	14.3	17.3	22.5	26.8	30.0
		3.6	6.5	7.5	9.3	12.8	14.4	16.3
AVERAGE POWER OUTPUT DURING DISCHARGE (WATTS)		7.4	12.0	15.2	18.0	23.2	27.3	31.2
		4.2	7.2	8.5	10.3	14.1	15.8	17.9
AVERAGE EMF DURING DISCHARGE (VOLTS)		1.1	1.04	1.06	1.04	1.03	1.02	1.04
		1.16	1.10	1.13	1.11	1.10	1.10	1.10
DISCHARGE ENERGY (WATT MINUTES)		29.3	48	60	72	92	109	125
		33	57	68	82	112	126	143
DISCHARGE ENERGY PER UNIT MASS (WATTS MINUTES/GRAM)		1.54	1.55	1.43	1.71	1.70	1.91	2.12
		1.74	1.84	1.62	1.95	2.07	2.21	2.42
TEST OUTPUT/GROSS NOMINAL		81%	83%	83%	80%	75%	76%	72%
		92%	98%	94%	91%	92%	88%	83%

THE FIGURES ABOVE THE DOTTED LINES ARE FOR 4 MINUTES DISCHARGE.

THE FIGURES BELOW THE DOTTED LINES ARE FOR 8 MINUTES DISCHARGE.

$$\left[ \begin{array}{l} \text{DISCHARGE ENERGY} \\ \text{(WATTS MINUTES)} \end{array} \right] = \left[ \begin{array}{l} \text{DISCHARGE CAPACITY} \\ \text{(AMP MINUTES)} \end{array} \right] \times \left[ \begin{array}{l} \text{AVERAGE EMF} \\ \text{DURING DISCHARGE} \\ \text{(VOLTS)} \end{array} \right]$$





## SIERRA SILENT SOARERS

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ADDRESS SERVICE REQUESTED

### NEXT CLUB MEETING:

**Awards Ceremony! • End of Year Pizza Party! • Raffle!**

Tuesday, February 6, 7:00pm • Round Table Pizza at Mira Loma and McCarran in Reno

**DUES ARE STILL DUE!**



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