

FEATHER RIVER RAIL SOCIETY – AGENDA REPORT

DATE: July 7, 2012
FROM: Frank Brehm, Archivist
ITEM: New Business, Discussion, Possible Action
SUBJECT: Archive Storage

In accessing our archives and their storage I have come to the conclusion that we do not need the “climate controlled” storage units in Reno.

By definition, “climate control” refers to the ability to keep the temperature between 90 degrees Fahrenheit in the summer and 40 degrees in the winter, with humidity below 65%.

We have in our possession a “climate controlled” car that meets this criteria and offers the same, if not better, climate controlled environment than those provided at the Reno facility. That being the “Simplot” car, which is built specifically as a climate controlled environment.

As it is currently configured it houses some archives material which includes many “hardware” items which do not require a climate controlled environment.

Historical Portola, CA weather data from myforecast.com:

JANUARY			
Average High Temperature	45 °F	Average Morning Relative Humidity	79%
Average Low Temperature	19 °F	Average Afternoon Relative Humidity	51%
Average Mean Temp	32 °F	Average Humidity	65%
FEBRUARY			
Average High Temperature	51 °F	Average Morning Relative Humidity	77%
Average Low Temperature	23 °F	Average Afternoon Relative Humidity	41%
Average Mean Temp	38 °F	Average Humidity	59%
MARCH			
Average High Temperature	56 °F	Average Morning Relative Humidity	71%
Average Low Temperature	26 °F	Average Afternoon Relative Humidity	34%
Average Mean Temp	41 °F	Average Humidity	53%
APRIL			
Average High Temperature	64 °F	Average Morning Relative Humidity	61%
Average Low Temperature	31 °F	Average Afternoon Relative Humidity	27%
Average Mean Temp	48 °F	Average Humidity	44%
MAY			
Average High Temperature	73 °F	Average Morning Relative Humidity	55%
Average Low Temperature	38 °F	Average Afternoon Relative Humidity	26%
Average Mean Temp	56 °F	Average Humidity	41%

JUNE			
Average High Temperature	82 °F	Average Morning Relative Humidity	51%
Average Low Temperature	44 °F	Average Afternoon Relative Humidity	22%
Average Mean Temp	63 °F	Average Humidity	37%
JULY			
Average High Temperature	91 °F	Average Morning Relative Humidity	49%
Average Low Temperature	49 °F	Average Afternoon Relative Humidity	19%
Average Mean Temp	70 °F	Average Humidity	34%
AUGUST			
Average High Temperature	89 °F	Average Morning Relative Humidity	55%
Average Low Temperature	47 °F	Average Afternoon Relative Humidity	19%
Average Mean Temp	68 °F	Average Humidity	37%
SEPTEMBER			
Average High Temperature	81 °F	Average Morning Relative Humidity	64%
Average Low Temperature	40 °F	Average Afternoon Relative Humidity	22%
Average Mean Temp	61 °F	Average Humidity	43%
OCTOBER			
Average High Temperature	70 °F	Average Morning Relative Humidity	72%
Average Low Temperature	32 °F	Average Afternoon Relative Humidity	27%
Average Mean Temp	51 °F	Average Humidity	50%
NOVEMBER			
Average High Temperature	55 °F	Average Morning Relative Humidity	78%
Average Low Temperature	25 °F	Average Afternoon Relative Humidity	41%
Average Mean Temp	40 °F	Average Humidity	60%
DECEMBER			
Average High Temperature	46 °F	Average Morning Relative Humidity	80%
Average Low Temperature	20 °F	Average Afternoon Relative Humidity	51%
Average Mean Temp	33 °F	Average Humidity	66%
YEARLY			
Average High Temperature	71 °F	Average Morning Relative Humidity	73%
Average Low Temperature	35 °F	Average Afternoon Relative Humidity	36%
Average Mean Temp	53 °F	Average Humidity	49%

Statistically over the year the car should maintain the climate control criteria as shown in the definition of “climate control” for temperature with the exception of the average temperatures in January, February and March, and for humidity with the exception of December, but the car will rarely be opened in those months due to weather and snow.

For years we have had much of our archive material stored in the “Library Car” and other non-insulated cars and locations on the property which are much less environmentally controlled than the Simplot car with no discernible damage except that caused by mishandling and improper storage. These storage areas have been subject to the same historical weather data as shown above.

It is therefore my recommendation to remove the hardware items from the Simplot car to another secured storage area on the property and move all items currently stored in Reno into this car. This would accomplish two immediate goals:

1. Reduce the monthly financial burden on the Society.
2. Allow consolidation of the archives material into a more central location which is located on the Society's grounds.

As for storage in the car I recommend metal storage units similar to these:



77 in. wide, 78 in. tall and 24 in. deep.
2000 lbs. per shelf capacity
4 wire shelves provide ample storage
Heavy duty steel construction for durability
Shelves adjust in 3 in. increments to fit any storage needs
Black powder coated finish Made in the USA
NSF certified
MFG Brand Name : Edsal
MFG Model # : ERZ782478W-4
\$149.00