Dead Railing Donner Summit



Duncan McRee, Tam Valley Depot

Outline

- My Donner Summit Layout
 - Inspiration
 - * Design
 - Construction
- * What is Dead Rail and How does it work?
- Implementation on Donner Summit

Givens

Southern Pacific

 Nevada County Narrow Gauge ✤ HO/HOn3 Cab Forwards and Black-widow F-units ✤ 1953 * Space: 13 x 19 foot shed Double-deck with Staging "basement"

Signature Scenes





Planning Model of Layout











Switch Machines



















Going Dead-Rail

Seems like I spent more time cleaning track than running trains.

Evolution of Radio Control





What is in the Locomotive? Charging Connector DRS1 Receiver **11V Battery Existing DCC** Decoder Motor

Courtesy of Dave Balser



Trailing Battery Car





Another Solution: Put the Battery in a Dummy







Steam Engines with a Tender





Battery Powered Switcher (No Sound)



The Fleet of Modified Engines



Pros and Cons

Engines run much smoother

No Track Cleaning

- No Wheel Cleaning
- No Short Circuits
- * Major Geek Cred
- No Flickering Lights

- Batteries Need Charging
- Radio Signal Range
- Higher Cost Per Engine
- Installation needed
- No Flickering Lights