



**MARCH / APRIL 2010**

## **A TRAIN FOR SC:**

**Part 29, by Ken Bain**

*(Ed. Note: In his submission, Ken bemoans the never ending tribulations of rebuilding this locomotive. Your editor thinks the result will be an historic locomotive with a brand new lease on life, thanks to the dedication of Ken and his fellow re-constructors.)*

On my last write up I had found that regardless of what the Service Manual says there is no charging circuit in our Kohler engine. The people at APD Power Center were very helpful and sold me the parts necessary to retrofit our engine with a charging circuit.

When I pulled off the flywheel I found that it had the magnets installed in the flywheel so it was not necessary to replace it. The stator consists of a series of coils that bolt to the crankcase under the flywheel. APD Power Center sold me a used stator (For half price) and it still had the wiring harness attached to it. This made things much simpler and I only had to drill and tap a few holes. After securing the stator and the harness and installing the flywheel I felt that at least the retrofit went well with no problems.

The only remaining part of the charging circuit that had to be installed was the voltage regulator. I was told that it simply bolts into an existing hole in the flywheel shroud. I should have known that some where there was going to be an unexpected problem. The voltage regulator was the "improved design" and it wouldn't fit in the hole. This

was not a big problem and after an hour with a sheet metal "nibbler" and a file it fit.

I was then able to finish installing the longer engine control wires and now the engine wiring was like the Service Manual. I will fabricate a mounting bracket for the engine control switch after everything is mounted in the locomotive cab. As it was originally set up it would be quite a job to remove the rear truck once the cab base was installed. So I fabricated a new link pin that would allow the truck to be removed by pulling out a hitch pin and unscrewing one nut.

'O HAPPY DAY'. I was finally ready to put the engine and transmission in the locomotive. Jerry Oyler agreed to help me move the "power package" from the saw horses to the locomotive cab. Cliff Fought happened to come by and he decided to help us. The engine, transmission, brake and battery were removed from the cab floor mounting plate and the plate was put in the locomotive. The engine and transmission were installed on the cab mounting plate. It really looked good. (You know nothing ever goes this good on the first try on this project.)

The drive chain tension is adjusted by moving the base plate fore and aft in the cab. The base plate has four small bosses that slide between a pair of fore and aft rails. Although it looked good from above it turned out the bosses were riding on top of the rails. So the engine, transmission and base plate had to be taken out of the locomotive. I should have remembered that we

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had to close the frame width in about an eighth of an inch to get the necessary driver inside clearance. Cliff took the base plate over to his new shop (very, very nice) and cut down the sides of the bosses. When put back in the locomotive cab the base plate fit like a glove.

Progress **IS** being made.

**RECEIVE THIS NEWSLETTER BY E-MAIL:**

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**E-mail distribution saves Sahuaro Central postage.**  
Just send an e-mail requesting electronic distribution to: [DBauer2250@aol.com](mailto:DBauer2250@aol.com).

**SPRING GATHERINGS:**

The time has come for all rail enthusiasts, live steamers, photographers, train traders, and general kibitzers. Yes, it is time for MLS Spring Meet and for the famous SC/AMRS Swap Meet.

Mark your calendars for March 18-21, 2010. That is the schedule for Maricopa Live Steamers spring meet. This is the premier event of the year for MLS; generally the largest in attendance and sure to be filled with trains and excitement. The meet runs Thursday through Sunday. During the meet, public rides are restricted, so that meet attendees from out of town can enjoy the facilities.

On Saturday, March 20, the giant railroad swap meet will take place at the Arizona

Model Railroading Society building. Again, this is generally considered the biggest and best. If you have model trains to swap or are looking for something special, don't miss this event.

**Train Schedule – Arrivals  
-2010-**

Adobe Mountain Desert Railroad Park is located on 43<sup>rd</sup> Avenue, just south of Pinnacle Peak Road, Phoenix, Arizona

**Mar 13, AMRS General Meeting, 9 am**  
Adobe Mountain Desert RR Park

**Mar 13, MLS Business Meeting, 1 pm**  
Adobe Mountain Desert RR Park

**Mar 18-21, MLS Spring Meet,**  
Adobe Mountain Desert RR Park

**Mar 20, SC/AMRS Swap Meet**  
Adobe Mountain Desert RR Park

**Apr 10, AMRS General Meeting, 9 am**  
Adobe Mountain Desert RR Park

**Apr 10, MLS Business Meeting, 1 pm**  
Adobe Mountain Desert RR Park

**Apr 10, Sahuaro Central Board Mtg,  
10:30 am, Museum Bldg.**  
Adobe Mountain Desert RR Park

## **PARKS & RECREATION:**

In January, the Maricopa County Parks and Recreation Dept. conducted their annual meeting at the Adobe Dam Regional Park. Among the items discussed were: A second water storage tank is being placed near the current one in the Sahuaro Central compound; Rule revisions-P&R must approve any new major structures; Wet & Wild wants to develop the 16 acres SC returned to P&R; There is a planned water ski concession having lakes and a cable tow for skiers, to occupy 20-30 acres of the park; another possible concession is a rodeo arena; during the budget situation P&R reports that they are in good financial condition since most costs are being covered by user fees.

## **WINTERFEST 2010:**

Photos by Jim Ashcraft

The 4<sup>th</sup> annual railroad operations meet was held January 13-17, 2010, by Maricopa Live Steamers. The meet is gaining in popularity each year and as can be seen from Jim Ashcraft's photos here, this year's event was spectacular. Perfect weather and lots of railroading was the order of the day for registrants. To get a feel for railroading: switching, timetables, pedalar freights, etc. you have to attend (participate in) one of these events. A big thanks to all who helped in organizing Winterfest 2010. Check out the [MLS Web site](#) for more pictures of this meet.

