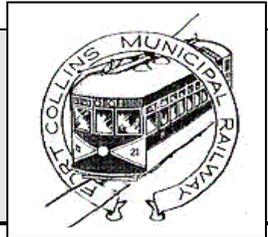


# Trolley Fare

## Fort Collins Municipal Railway Society News

Volume 30, Number 2, October 2010

[www.fortnet.org/trolley/](http://www.fortnet.org/trolley/)



### Upcoming Events Benefit Car 21

The Society is sponsoring a concert at **Avogadro's Number** on **Sunday, November 14, 1-6 PM**, to raise funds to repair Car 21. Local bands entertaining us will be the **Poudre River Irregulars** and the **Blue Grass Patriots**. Admission is \$10 at the door. Food and drink are not included. There will also be a silent auction at the concert so be ready to bid on some really great items to help get Car 21 back in action.

**Shelly Paul**, a graphic artist living on Mountain Ave, is designing a poster for the concert. Watch for it at local businesses. Shelly is also designing a **special five-ticket booklet** that will sell for \$10 to help cover our unexpected Car 21 expenses. Tickets will be honored during the 2011 season. Her children and others will sell the booklets along Mountain Ave. and the surrounding neighborhood.

### Open House December 4

Stop by the Howes St. barn on Saturday, December 4, to view our progress restoring car 25. While you're there, you can cross off a few names on your Christmas shopping list by picking up some souvenirs from our office in the barn.

If you can't make that date, you can always order from our online gift shop:

[www.fortnet.com/trolley/shop.php](http://www.fortnet.com/trolley/shop.php)

### Welcome New Members and Donors

These members joined our Society this summer and/or donated to restoring car 25 and/or new axles for car 21 this year (local residents except where noted):

Robert Adel  
Darrell Arndt, Englewood, CO  
Bob Beavers  
Gary Boughton  
Mat & Judith Carney, Millbrea, CA  
Jack Doyle, Illinois (new)  
Dick Erickson  
Stan Griffith, Ashton, IL  
Bill & Jean Griswold  
Fort Collins Historical Society  
Mike & Sheryl Highsmith  
Tom & Amy Hirn  
Harold & Mary Kelly  
Greg Koch Family  
Robert Mahar  
Robert & Eunice Miller  
Sherlee Miller (new)  
L. Wilson Ruid, Denver, CO  
Frank Sirinek, Illinois (new)  
Martin Van Horn, Towson, MD  
Sue Walker (new)  
Ronald Wartinbee, Denver, CO  
Maya Williams  
Peter Zimmermann, Los Angeles, CA  
Evan & Kelly Zweifel

Duncan Allen, Needham, MA  
Chuck Bade (new)  
Ruth Bezel  
Jeff & Connie Cleverly  
James & Marleigh Ellis  
Derry & Lois Eynon  
Gene Fusco (new)  
Bob Hodge  
Jim Heaton Family  
Fort Collins Westerners  
Roger Hill, Edwardsville, IL (new)  
Abby & Zoe MacLean  
George Kennedy  
Denise Lederer (new)  
Grace Meyer  
Mountain Ave Mile  
Mary Sue Rowen  
John Rushton (Canada)  
Fred Snyder  
Bob Viscount, Prescott, AZ  
Cathlene Waller  
Gayle & Sally Watkinson  
Lloyd Wilson  
Doug Yadon  
Visitors to New West Fest

So far, we've received \$1850 in cash donations this year for restoring Car 25, and \$2886 to repair Car 21. **Thank you all!**

### Car 21 Crews

Though our season was shortened, we thank the motormen, conductors, depot agents and mechanics who kept Car 21 rolling until the axle failed on July 25:

Bob Browning  
Deb Stith  
Carol Tunner  
Roger Smith  
Tom Boardman  
Sean Jackson  
Fred Snyder  
John Waples  
Greg Koch  
Gary Thomas  
Alan Cram  
Jeanne Berger

John Beckett  
Al Jackson  
Dick Erickson  
Adam Thomas  
Kirk Petty  
Harold Kelley  
Jonathan Hole  
Ken Stitzel  
Duane Leach  
Wayne Sundberg  
Mary Krbec  
Millie Kneeland

Jim Thane  
Jeff Cleverly  
Bob Beavers  
Phil Leathery  
Moose Shattuck  
Robert Gomora  
Jim Zdunek  
Bob Beavers  
Angie Joseph  
Kelly Zweifel  
Jack Coman

Added together, they worked 114 regular shifts, 40 hours of charters and untold hours training crews and maintaining Car 21 this season.

### Grounds Work Around the Barn

*by Carol Tunner*

On August 21, I coordinated a cleanup session at the Mountain Ave. barn. We cleaned of weeds/debris and spread mulch under the shrubs and around the trolley barn sign. The work was generously done by eight CSU student volunteers from the Student Leadership, Involvement and Community Engagement (SLICE) office as part of CSU's RAM Serve 2010 Project event. They cleaned the flower bed and pulled 6-foot Burdock/ Canadian thistle. The City Parks & Rec. Dept. donated tools and the mulch. It has never looked so good. Our own conductor Chris Johnson planted iris the next week.



*Chris Johnson helped beautify around the Mountain Ave. barn in August by planting iris donated by City Parks near the bay doors. Photo by Carol Tunner.*

## Car 21 Status and Refinishing

As you've probably heard, Car 21 suffered a broken axle on its first run on Sunday, July 25, prematurely halting our operating season and needed source of income. Master Mechanic **Roger Mitchell**, along with help from **Bob Browning** and others quickly returned the car to the barn under its own power by first removing the safety catcher and supporting the damaged end of the car with a pushcar.

On the following two Saturdays, volunteers helped Roger remove and dismantle the power truck to free-up the wheelsets for transport to an axle & wheel shop for repair. The dismantling crew included **Charlie Rock, Chuck Bade, Alan Cram, Reid Jacob, Jeff Cleverley and Moose Shattuck.**



*Car 21's power truck in pieces on the floor in bay 2 of the Mountain Ave. barn. Note the missing axle end on the nearest wheelset. Photos by Bob Browning.*

Roger and Al have been looking for a suitable shop to handle our emergency work and, eventually also new wheelsets for Car 25. After many weeks, we have cost estimates in hand ranging from \$5K to \$25K to remove Car 21's wheels and gears, turn two new axles, true up wheel and gear hubs as needed, press the gears and wheels on the new axles, and turn the 12-year-old wheels back to proper flange/tire contour. At present, we're talking with a shop in Denver and another in Pennsylvania to handle our work, and at the same time, looking for the funds to pay for it.

While Car 21 is up on cribbing, **Bob Browning, Jim Thake,** and **Alan Cram** are repairing and refinishing woodwork and metalwork inside and outside the car. Doors, windows and most interior stained woodwork have been sanded, re-stained and given at least three coats of varnish inside and at least four coats outside. Seats are also being sanded, stained and refinished. The roof and trolley poles have also received new paint. Even the safety catchers at either end of the car have been refinished. After all work is complete and the rebuilt power truck is back under the car, the floor will be refinished in time to begin operating next spring.

Other maintenance is also going on in and under the car, including power-washing the underside, fixing the water tank, replacing broken hardware, finding and fixing water and air leaks, repairing worn cable sheathing, and rebuilding the compressor. It's been a really busy off-season for **Roger Mitchell, Roger Smith, Reid Jacob, Andy Conrak and Al Jackson.**

Thanks to all who've stepped in to help with this unplanned situation and/or generously donated to help get Car 21 back on the track in professional fashion by next spring!



*Interior of Car 21 showing off refinished windows and woodwork.*

## Have you signed up for Email News Yet?

Some members are already getting a color PDF copy of **Trolley Fare** via email. If you prefer to get our newsletter in color the day it goes to the printer rather than waiting for a black & white snail-mailed copy, please email your editor: [fcmsr@netzero.com](mailto:fcmsr@netzero.com)

## Want More FCMR?

To view more pictures of us and see what our riders and fans are saying about us, point your browser to: [www.facebook.com/fortcollins.trolley](http://www.facebook.com/fortcollins.trolley)

## Car 25 Shop Journal

### Restoration Status

1. Shop improvements. DONE.
2. Inventory all parts and identify needed repairs. DONE.
3. Inspect & repair underframe. DONE.
4. Rebuild mechanical systems. ONGOING.
5. Rebuild and install electrical systems. STARTED
6. Install new sub-flooring after all under-floor work complete.
7. Repair windows and other woodwork. STARTED
8. Repair truck components and rebuild the truck.
9. Install truck and test motor controls.
10. Complete fit-and-finish details, new flooring and paint the car.

## Project Update

Except for a few days helping with Car 21 maintenance, work on restoring Car 25 kept moving along this summer. We've tested and/or rebuilt many air components and installed new air tanks, the compressor and the brake cylinder. More air piping has also been replaced.

We've also begun prepping and installing the original electrical conduits under the car, including replacing the rusted metal pull-boxes with new ones. We also have most of the needed new transit cable on hand. Work is progressing on windows, new wood fittings, and new sand boxes.

We've replaced some damaged angle-iron floor purlins and begun making new wood supports to carry new flooring. After all under-floor work is done, we'll install a new sub-floor to facilitate work inside on woodwork, windows and electricals. Installing finished flooring will wait until later.

A review of the project shows that we've passed the 2000 volunteer-hours mark in the Car 25 Shop. Still lots to do!



*Interior of Car 25 showing new piping and air tanks, compressor and brake cylinder in place, and electrical conduits partially installed.*

## Join the Team!

We still need volunteers with skills in plumbing, electrical, painting, construction and mechanical areas. If you're interested but haven't contacted us, please email us:

[fcms@netzero.com](mailto:fcms@netzero.com)

If you've already told us that you want to help restore Car 25, you'll continue getting this journal via email or our newsletter. We'll also contact you as subprojects are started to see if you're available to help. If you cannot help us physically, please consider a donation to help restore Car 25. See the form in the attached newsletter. Mark your check "Car 25 restoration." **Thank You!**

### Car 25 Restoration Team

**Mechanical:** Reid Jacob, Roger Smith, John Cooney, Andy Conrak, Paul Snyder, Sean Jackson, Bailey Floyd, Bill Kepner, Brad March

**Electrical:** Al Jackson, Charlie Rock

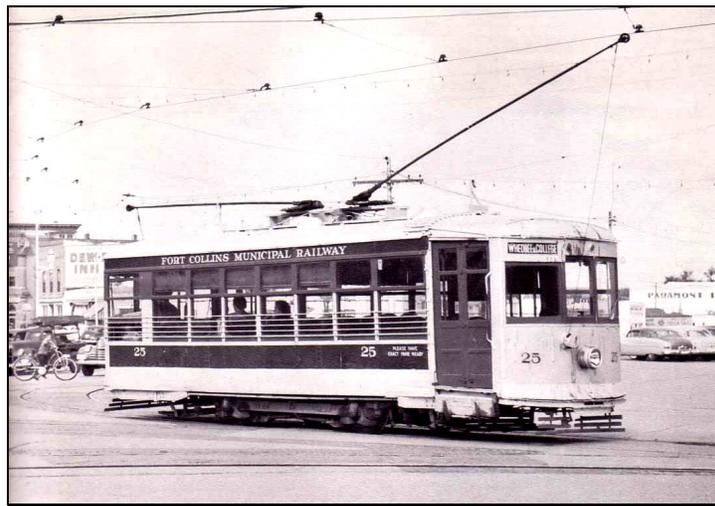
**Woodworking:** Roger Smith, Fred Snyder, Bob Browning

**Shop Foremen:** Al Jackson, Reid Jacob

**Project Manager:** Craig Stith, 498-0286

## Shop Open Most Saturday Mornings

The Car 25 shop is open Saturday mornings, 9 AM->Noon, for you to view our project, meet the team and get involved. The Howes St. barn is at the corner of North Howes and Cherry Streets. If we're not there, we're probably at the Mountain Ave. barn working on Car 21.



*Car 25 turning eastward onto Mountain Ave. from College Ave. on the 'loop' route. Photo by Al Rose in 1950.*



*Car 25 outside bay 1 of the barn awaiting service in 1949. Photo courtesy the R. J. Birney Family.*

**Trolley Fare** is published periodically for members and friends of the Fort Collins Municipal Railway Society.

#### FCMRS Staff

President: Craig Stith, 498-0286

Vice-president: Roger Mitchell, 207-9295

Secretary: Carol Tunner, 484-3957

Treasurer: John Beckett, 482-0130

#### Directors

Brent Carmack, 416-2702, Mary Krbec, Brad March, 482-4322,

Moose Shattuck, 472-1071

#### Departments

Advertising on car 21: John Beckett

Car 21 maintenance: Roger Smith, Roger Mitchell

Crew scheduling: Craig Stith, Gary Thomas

Charters: Gary Thomas, 482-7125

Conductor & depot-agent training: Carol Tunner

Maintenance of way: Al Jackson, Art Mitchell, Roger Smith

Membership, **Trolley Fare** & website.: Al Jackson

Motormen training: Roger Smith, Bob Browning

Public Relations, Wayne Sundberg

Souvenirs: Deb Stith

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*Car 25 enjoyed a well-earned rest next to the depot in Victor, CO until 1989. Photo by Joe Tunner.*