

2003 Summer Activities

- 1. Tour of UPS Facility in Rockford
Thursday, June 26, 2003
Rockford, Illinois**
- 2. Family day and Landmark ceremony of
Great Northern 2313 – Montana Western
31 Gas-Electric Rail Motorcar
Saturday, August 16, 2003
North Freedom (Baraboo), Wisconsin**

Tour of UPS Facility in Rockford:

Program:

- **Dinner at Howard Johnson Hotel Restaurant.**
- **Tour of UPS Facility**

Time

Social Hour..... 5:30 PM
Dinner..... 6:00 PM
Tour..... 7:15 PM

Location

1- Howard Johnson Hotel Restaurant is located at:

**2919 11th street
Rockford, IL 61109**

The hotel is on the 11th street (251 South) on the right hand side just south of highway 20. If you are coming on highway 20, leave at exit of 11th street/251 south. Continue on 11th south under the bridge and the hotel right after that on the right.

We will leave the restaurant at 7:00 pm and head to the UPS Facility.

2- UPS Facility is located next to Rockford Airport.

We will meet at guard post # 4 at 7:15pm. The tour will consist of a short walk through of the building, observing the operation, a short time on the ramp discussing the air

operation, and back into the building up to our main conference room for a period of questions and answers. The tour and Q & A should last no more than 1 hr.

Dinner

ASME Dinner Prices: Members \$5.00
 Non-members \$10.00
 ASME Students\$2.00

Menu: *Select choice of:*

- 1- *vegetarian stir fry.*
- 2- *Broiled Orange Rafy.*
- 3- *Veal Parmesan w Spaghetti or Mostaccioli.*
- 4- *New York Strip Steak.*

All meals served with soup, salad, Potato, bread, drink, and dessert.

Dinner is optional and the tour is open to all but please call to sign up.

RSVP Samir El-Khabiry at 815-394-2095 or samir.el-khabiry@hs.utc.com by Tuesday June 24

Message from the Chair:

- The Rock River Valley Section is looking for volunteers to participate in the section board. We really need some enthusiastic and interested colleagues to come forward help. It is interesting and professional experience beside a lot of fun and social activities.
- We recently created a web site for our section. Please visit it and send back your feedback. The address is:

<http://www.asme.org/sections/rockriver>

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Landmark Ceremony and Family Day
Saturday August 16, 2003
Great Northern 2313/Montana Western 31

ASME members of Rock River Valley Section are joining other ASME sections of Chicago, Fox Valley, ASME Region VI, ASME Rail Transportation Division, and the Mid-Continent Railway Museum in this landmark ceremony. ASME will dedicate the Gas-Electric rail car MW-31 a mechanical engineering historic landmark and the Plaque will be presented on August 16. The ceremony will take place at the Mid-Continent Railway Museum in North Freedom, Wisconsin. North Freedom is located about 45 miles NW of Madison, WI in the Baraboo-Wisconsin Dells tourist area. All ASME members, their families, and their guests are invited to attend this event.

In the 1890s gas-electric and gas-mechanical railcars appeared after the development of the gasoline engine, electric motors, and generators. Gas-electrics used a gasoline engine to turn a generator creating electricity. This, in turn, drove traction motors directly geared to the axles. Gas-electrics later evolved into the diesel electric locomotives used today.

GN 2313 is a self-propelled car that contains a “locomotive” area, baggage area, a smoking section, and a passenger section. The Great railcar was used in branch line service to economically replace the crew and equipment of a steam-locomotive and a 1 or 2-car train.

GN 2313 was built in 1925 by the Electro-Motive Company (EMC) with serial number 130 – the 30th production car built and sold to Great Northern; it was used between Marcus, Washington and South Nelson, British Columbia. This car was sold again in 1939 by the Great Northern to Montana Western Railroad; it ran on this 20-mile railroad between Conrad and Valier, Montana. Reacquired in 1966 by the Great Northern, the car was donated to the Mid-Continent Railway Museum, North Freedom, Wisconsin. Following initial restoration, the car was used in occasional museum service until 1987. It is now on display awaiting further restoration.

GN2313-MW31 retains many of its as-built features, including the original type of gasoline engine and the original type of traction motors. The exterior and interior closely match drawings and builder photos. The only substantial interior change appears to be the seats that were changed to convert the original off-center 2-3 seating to provide a centered aisle.

GN 2313 – MW31 is the oldest surviving EMC rail motorcar with Lemp (the inventor’s name) control. Gas-Electric Rail motorcars prior to EMC used existing electric streetcar technology combined with on-board electricity generation. This caused control problems for the engineer prior to the development of a system developed by Dr. Hermann Lemp, The Lemp system, used on GN 2313 is still used on Direct Current locomotives to this day.

Diesel locomotive technology, and its adoption of the Lemp control system, was in its infancy during GN 2313’s creation. In many ways, developments between gas-electric railcars and diesel-electric locomotives were intertwined. Neither can be said to be clearly a successor of the other. Nonetheless, the widespread use of the Lemp control system prior to the creation of passenger and freight diesel-electric locomotives contributed greatly to the latter’s success. Thus, GN 2313 / MW31 is a remarkable survivor from its era. More information on the car can be seen at <http://www.midcontinent.org/collectn/DIESEL/mw31.html>.

Location: Diamond Hill Rd, North Freedom (Baraboo) WI (608) 522-4261

Schedule: 11:00 AM Check-in
11:30 Ceremony
12:30 Lunch
3:30 PM Train ride

Cost including train ride: \$ 20.00 Non members
 \$ 10.00 Non member children
 \$ 15.00 Members of ASME or Mid Continent, and Their Guest.
 \$ 7.50 Children of members (3 to 12)
 \$ 40.00 Members family.

RSVP Sandi Milburn at 815-226-7646 or sandi.milburn@hs.utc.com by 5:00 pm Tuesday August 12

Other Interesting Events in the Area at this weekend:

In Baraboo: Circus World Museum (A family Event)
West of Baraboo on Hwy 33: Badger Steam Tractor Show and Exhibition
North of Baraboo on Hwy 12: Wisconsin Dells

Directions:

I-90/94 north to exit 106. West on highway 33 Through Baraboo. At Junction Highway 12, Go straight onto Highway 136. About 6 miles more to County PF. Left onto PF. Through the village of North Freedom, Straight on Diamond Hill Rd to the Museum.

Find more at <http://www.asme.org/sections/rockriver>

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