

# THE ORDER BOARD

A Publication Of The  
**Cumberland Division SER-NMRA Inc**  
**Tennessee Central Railway Museum**  
**Nashville Chapter NRHS**

Vol. 20 Issue 11

## Cumberland Div/TC Ry Museum Donations

**T M Graves**- Various RR and model RR magazines and some VHS videotapes; public timetables from various RRs

**Cracker Barrel Foundation**- \$2,000

**Hugh & Marie Nichols**- \$100

**Larry Norton**- \$50

**Tennessee Association of Railroad Passengers** - \$125 in memory of Mrs **Barbara Bebout**

**Robert Thurman** - \$50 to TCRM in memory of Mrs **Barbara Bebout**

## Program Notes

**November- Airbrushing II**, a hands-on clinic for all of us who think airbrushing railroad models is only for the "pros".

**December- Bebout Road Kill Buffet** and program "**Tennessee Trains of Christmases Past**"

## November Meeting Host Committee

CeCe Doub	Don Garrison	Joe George
Al Gerth	Ben Gerth	<b>George Gilbert*</b>
Jeff Gill	Gary Givan	Charles Goad
Harold Golk	Clarence/Cathy Graham	W O Greene
Jimmie Guthrie	Warren Hannas	John Hermon

\* Host Committee Chair

## Fall 2001 Cumberland Division Meet

The Fall 2001 Division Meet this past Saturday, Nov 3, 2001 at our Willow St building found nice fall weather, a good turnout of dealers and at least 450 attendees for the Show. **Frank Holt** did his usual outstanding job with breakfast and lunch food service.

**Cheryl Brown & Barbara Hutton** ably assisted Frank by adding their special touch to TCRM's dining car service. **Mike Curtis** was the Show manager this time. **John Stoecker** and **Jim Adiar** staffed registration; **John Kennedy** and **Pete Hoadley** held down the Company Store; "**Fast**" **Eddie Justice**, **Jimmie Guthrie**, **Ken Herrell** and **Wayne Frey** staffed the Hobby Shop; **Jeff Gill** staffed the Museum room; **Ed Stone** supervised the videotapes played during the day; **Brenda & Marvene Bilbrey** staffed the souvenir car; **QS III** staffed the HO modular RR. All in all, a great time had by all... now to prepare for the Spring 2002 Meet!

## Good News!

Thomas the Tank locomotive is scheduled to visit our Museum in September 2002. More details will follow in coming months. This will be a huge event for our Museum to host.

## Members, Nashville Chapter NRHS

NRHS members - Nat'l & Chapter Dues can be sent to my address. Nat'l Dues have been raised to \$20 & Chapter Dues (same as Cumberland Division/TCRM activity fee) are \$30 for a total of \$50. If you have already paid your activity fee for 2002, just send me \$20. Or - you can wait until I mail out the Dues Card

and pay up then. Thanks, **Herb Roth**, Tres. NRHS, 8135 Devens Dr Brentwood TN 37027

## Year 2001 & 2002 Schedule

Nov 9-11 Whistlestop Weekend Cumberland Sci Museum  
Nov 15 Thursday Night Meeting TC Ry Museum  
Nov 20 Model Railroaders' Meeting Willow St 7 pm  
Nov 27 HO Modelers' Meeting Willow St 7 pm  
Dec 1 Excursion Train Lebanon Victorian Christmas Trip  
Dec 8 Excursion Train Watertown Santa Trips- TWO TRIPS  
Dec 20 Road Kill Buffet and TN Trains of Christmases Past  
Feb 16 Watertown Murder Mystery Excursion Train  
Feb 23 Watertown Fairyland Express Excursion Train  
Mar 16 Div Meet/Model Train Show at TC Ry Museum  
Mar 23 Watertown Easter Bunny Excursion Train  
Mar 30 Watertown Easter Bunny Excursion Train  
Apr 13 Watertown Train Robbery Excursion Train  
Apr 20 Watertown Mile-Long Yard Sale Excursion Train  
Apr 27-28 GATS Show Municipal Auditorium Nashville TN  
July 13 Watertown Jazz Festival Evening Excursion Train  
July 20 Watertown Murder Mystery Evening Excursion Train  
Sept Thomas The Tank Engine in Nashville Date TBA  
Sep 7 Watertown Country Hoedown Excursion Train  
Oct 5 Watertown Train Robbery Excursion Train  
Oct 12 Watertown Fall Flea Market Excursion Train  
Oct 19 Nashville Flyer Excursion Train (Cookeville-Nsv)  
Oct 26 Cookeville Fall Foliage Excursion Train  
Nov 2 Model Train Show at TC Ry Museum  
Dec 7 Lebanon Victorian Christmas Excursion Train  
Dec 14 Watertown Christmas in the Country Excursion Train  
Dec 21 Watertown Santa Excursion Train Nashville TN

## Year 2002 Activity Fee

Cumberland Div/TC Ry Museum's activity fee for 2002 is \$30 individual, \$35 immediate family members in the same household. Send 2002 renewals to **George Gilbert** 750 Rodney Dr Nashville TN 37205-3016. Checks payable to **Cumberland Div or TCRM**, mark them "2002 Activity Fee". Also, we accept Discover, Master Card & VISA credit & debit cards for fee pay-ments. Send your acct number, exp date, acct holder's name as it appears on the card, the acct billing address & a contact phone number. Show any changes in name, mailing address, etc with your renewal.

## Security at TCW Property

Due to increased security at TCW, our neighbors to the east of our property, we will be removing the gate in the fence between our passenger walkway and the TCW property. On Saturday & Monday workdays we need to either park along Willow St and walk to the Museum work area or drive down Stanley St and park in the Southern Junction Yard parking area directly behind our work area. During weekdays we do have permission to drive through the TCW main gate off of Stanley St to the Museum work site. The only vehicles that should use the old track gate on Saturdays by crossing the Hertz-Penske lot are service vehicles

**NEXT MEETING Willow St Building Thursday November 15, 2001 7:00 PM**

delivering directly to the excursion train. Our agreement with Hertz-Penske is that crossing their lot will be kept to a minimum.

## New Members

**Dick Arndt**, Hendersonville TN  
**Terry & Karen Thomas**, Mt Juliet TN

Please welcome these new members as they join in helping make our organization even better in the future.

## Sad News

Long-time member **Hal Johnson** passed away on October 23, 2001 and was buried in Ohio. A memorial service was held at the Lutheran Church in Gallatin TN Saturday, November 3 at 3 pm. The family has asked that donations in **Hal's** memory be made to TCRM. Close friend **Jack Garner** was to represent TCRM at the memorial service. The family address is 105 Devonshire Trail in Hendersonville TN 37075.

**Clarence Graham's** mother passed away last week and was buried Friday, November 3. **Clarence** and **Cathy Graham's** address is 1215A Woodland St in Nashville TN 37206-2818. Our thoughts and prayers are with **Hal Johnson's** family and with **Clarence** and **Cathy** and their family at this difficult time.

## Sick Call

**Dr John Clark**, a long-time member of Nashville Chapter, NRHS and TCRM, has leukemia. **Dr Clark** is glad to receive your correspondence at 591 Woodmont Circle in Cookeville TN 38501.

## Modelers' Meeting on Nov 20

By **Bob Hultman**

All model railroaders in Cumberland Division/TC Ry Museum are invited to a meeting to start at 7 pm on November 20, 2001 at TCRM's Willow St building. This meeting is called to make some decisions on the future direction of our model railroad efforts and to establish clearly understood rules for our multi-purpose room at Willow St. Items to be considered (other items will also be considered during the meeting)-

- > Our activities need to "earn their keep"
- > Prize money/fees earned thru model RRing efforts.
- > Dedicated space for both HO & N scale RRs.
- > Div Meet/Train Show improvements
- > Outside events- promoting modeling/TCRM at those events?
- > Pride in what we do and showcase it to our visitors
- > Modelers take custody of building upkeep.
- > Hobby shop staffing needs
- > Building security and lock down procedure
- > A wood shop on-site

This is your chance to influence decisions and the direction our organized model railroading efforts take. Look forward to seeing you Tuesday, Nov 20 at Willow St!

## Excursion Train Sign-Up Sheets

Sign-up sheets for these excursion train trips will be at the November meeting:

- Dec 1- Lebanon Victorian Christmas Trip
- Dec 8- Watertown Christmas in the Country 2 TRIPS

## Hobby Shop News

By **Wayne Frey**

Reminder- if you have been notified that your special order has arrived, you are obligated to pay for those items. Please keep in mind that when you special order items from the hobby shop, you obligate yourself to pay for those items once they arrive, even if you decide you no longer want the items or if you bought the item somewhere else or if you made an error in giving the ordering information to **Wayne**.

## Science Museum Whistlestop Weekend

Cumberland Science Museum's Whistlestop Weekend is carded for November 9-11, 2001. The HO and N scale modular RRs are going to be set up Thursday afternoon, November 8, and run all day Friday through Sunday. Cracker Barrel Old Country Stores co-sponsors Whistlestop Weekend this year. Anyone who wants to help, contact **Quincy Styke III** (865-2973 for HO modular RR) or **Ken Herrell** (352-4576 for N scale modular RR) to do so.

## Membership Cards

If you're a member (especially new members) and haven't had your photo taken for your membership card, call/E-mail **Phil Utley** 615-754-2073, [railsystems@home.com](mailto:railsystems@home.com) to arrange for your photo shoot at the November Thursday night meeting.

## E-mail Addresses

Have E-mail and want to receive Cumberland Div/NRHS/TCRM updates & news via E-mail? Well, send your E-mail address to [hultman@nashville.com](mailto:hultman@nashville.com) & you'll be added to the E-mail group maintained for these organizations.

## Nov 3<sup>rd</sup> Division Meet Crowd



View looking west in our multipurpose room at our Willow St building. Dealer tables and Division Meet attendees fill the space, giving model railroaders a good selection of items to consider for their favorite hobby. Digital photo by **George Gilbert**

## SER Convention Followup

For those wanting to keep up with developments regarding the SER 2002 Regional Convention in Greenville SC, check out this Website- [www.TextilExpress.org](http://www.TextilExpress.org) The Website has been recently updated.

# Basic Electricity for the Neophyte

Revised Oct 14 2001 by **Bob Swanner**

Part II will continue from the October 2001 meeting notice in the December Meeting Notice.

HAPPY THANKSGIVING, EVERYONE!!

There are three modes of circuit status:

- [1] **Normal** resistance, normal current flow, every thing is operating correctly.
- [2] **Excessive** resistance like loose or dirty connections cause reduced current flow, lights are dim & motors turn slowly, **infinite** resistance, **zero** current flow.
- [3] **Reduced** resistance causes excessive current flow, something burns, or, if we're lucky, a fuse blows.

There are three terms for Circuit Malfunctions:

- OPEN Circuit**, wire cut, infinite resistance, no current flow, or, just turned OFF.
- SHORT Circuit**, some or all circuit resistance is bypassed. **OR** Two or More Circuits become Interconnected.
- GROUND** circuit, Zero resistance, hot power is connected directly to Ground, all loads are bypassed.
- CLOSED Circuit**, a normal condition, it's turned ON.

There are two main type circuits & combinations. The most common type circuit is the **PARALLEL circuit** with the characteristic being: **VOLTS SAME, AMPS VARY**, where there can be many branches connected to many things that we will call **LOADS**, a load can be a light, motor, solenoid, relay, or anything powered by electricity. Each load has it's own designed-in resistance. A parallel circuit can run several loads [paths] simultaneously as long as it was designed to do so. A big motor consumes a lot of amps. A small light may use only a fraction of an amp. Yet both of these & more can be run on one circuit, their supply **voltage** would be the **SAME**, but their **amp consumption** could **VARY** greatly. The more loads we add in parallel, total circuit resistance drops, so more current flows.

The other type circuit is a **SERIES circuit** with the characteristic being: **VOLTS VARY, AMPS SAME**, where all loads are on a **single path**. The old type Christmas tree lights were wired **SERIES**, when one bulb burned out, they all were off. So, anywhere we measure current in the series circuit it will be **AMPS SAME** but anywhere we measure voltage, **VOLTS VARY**, not same. The more loads added, total circuit resistance increases, amps decrease.

Then we have the **SERIES-PARALLEL circuit**; it is a combination of both **SERIES & PARALLEL**. A **PARALLEL** circuit can have many paths with a load on each. Sometimes there will be two or more loads on one path; they are in **SERIES** with each other in a **PARALLEL** circuit, so we have a **SERIES-PARALLEL** circuit. A **PARALLEL** circuit has parts that are in **SERIES** with it, do you know what they are? Power Source, Fuse, Switch, & Ground; are all in series with our parallel circuit but its not called Series-Parallel because there are no loads in the series part. If any section of the Series part of our circuit were cut **OPEN**, the entire circuit would be **OFF**.

There are **eight parts** in a basic circuit: [1] **Power Source**, I refer to it as **B+** [2] **Control Device**, a switch of some kind. [3] **Protection Device**, Fuse, or Circuit Breaker, etc. [4] **Load**, what the circuit operates: lights, motors etc., [5] **Connector**, connects

[6] **Conductor**, wire, [7] **Insulation**, keeps the volts in where they belong. [8]. **Ground, B-**, final resting place for all those aimless amps.

I mention all these parts of a circuit because when **diagnosing**, determining where the malfunction is & the measures necessary to effect a correction require being aware of all parts & possibilities. A **VERY BIG** part of proper diagnosis is knowing what is **normal**, then we **compare** what we have to normal, **DOES IT MATCH?** When making repairs be aware that the bad part you find may only be **half** the problem. What **caused** it to fail? I refer to this as the **bad guy & victim**. Yes, sometimes old age & time are the culprits but not always, so be expecting the unexpected.

There are a few tools that make our job of malfunction hunting a bit easier: a Digital Volt -Ohm Meter, doesn't have to be expensive, just work like it. Look at Radio Shack, Home Depot, & or other places for pricing & availability. Just get Volts & Ohms, don't mess with Amps because I have another tool for that: an Inductive Ammeter, simple cheap & mighty. If a regular ammeter were connected to a circuit & its resistance was extremely low, the high flow of current could possibly damage the meter, so we use an inductive ammeter & the only possible damage would be pegging the needle which doesn't hurt a thing.

**Basic Electricity Warning:** All electric and electronic components are manufactured with smoke packed inside, if for any reason the smoke is released, the component will no longer function.

**When** you are studying a new & confusing subject try sleeping on your back or stomach. If you saturate yourself with knowledge and sleep on your side you may wake up knowing less than when you went to bed because a lot of your knowledge leaked out the low side ear because it hadn't been in there long enough to harden.

## For Sale

**Garrett** Rea has a VERY LIMITED number of HO scale 50 ton roller bearing-Bettendorf conversion trucks (the kind with the bearing back inside the box without lids) made by Trains Canada available, \$4.50 a pair. E-mail **Garrett** at [Garrett.Rea@worldnet.att.net](mailto:Garrett.Rea@worldnet.att.net)

**Bob Swanner** has for sale a 4' X 7' 2-wheel trailer with spare tire & 6 HO 4' x 3' straight & 2 corner modules plus about 30 structures; \$500 takes all.

## NGRS Moves to 100 Oaks Mall

By **Dennis Carney**

Saturday for the NGRS was one of the biggest highs we have had in a long time! After six hard weeks of being closed to the public it began to look like we would NEVER get the layout open to the public. Well October 20th changed all that.

Friday night around 11 pm, as Gerald, Chuck and Dennis locked up and left the clubroom, it STILL looked a little iffy that we would be ready in time for the 11am opening, but we were tired and could not go any longer.

Saturday morning people were lined up at the door and could not wait to get in! On the counter, the first hour had over 359 people through the exhibit with tons more walking in the door. WE WERE A HIT! Compliments galore. Kids smiled, adults asked millions of questions, and many promised to come back. By 3 pm over 1500 people had tripped the counter. Unreal for the first day (We thought 150 or so would be acceptable for the first day until folks got the word out)!

More members showed up than expected, too....

\* Walter arrived at 6 am to install his chair lift over the Thomas the Tank tracks.

\* Marianna was dressed in great colors and visited every shop owner in the mall spreading the word that we were opening up,.... she also went down the escalator and SHOOOoooooed them up the stairs!

\* John Bugalla came by and ran his MULTI thousand dollar steam engine on the high roller and really put on a great show with that sound system.

\* Billy Fitzgerald tweaked his modules and scenery and helped greet visitors.

\* Charlie Forte, Jerry Moss, and John Lunday kicked trains on the high roller into gear and helped out in the control tower.

\* Carter Johnson visited to harrass Walter and Billy, and recoup after all his great woodwork table building

\* Bill Laird dropped in to get ready for Sundays operations.

\* Pete and Jackie McPherson helped out on tables and crowd control

\* Kevin Molloy installed the "Cow Train" making a perfect front window display on the north side.

\* Ron and Connie Russell helped out and took shifts in the control tower.

\* Gerald White got the trains wired, automated and installed the visitors counter, PLUS got the crossing sign flashing out in the mall to pull in more visitors.

We need to greatly thank Mark Perry for sending out Terry Bulger from WSM TV Channel 4 news and giving us THREE minutes of fantastically edited video in prime time on the 6 pm newscast. Also they ran it AGAIN at 7:00am Saturday morning.

Walter Etheridge got us on FOUR radio stations Thursday and Friday. Walter got interviewed LIVE on WSM 650 for SIX MINUTES around 1pm Friday and great coverage on three other FM stations! What a great team effort we have going.

It's nice to be back in business again. I have not seen so many smiles and happy people in a LONG time. Thanks folks for kicking in ONE HUNDRED PERCENT to get us open. It was hard work, but has already paid off in 1500-2000 smiles in one day! Looks like we may have to give all our volunteers ANOTHER raise!!!