

INSIDER

Volume 19 • No. 3

September–October 2011

The Garden Railroad Hobby & Retirement: Is It For You?

Today, we are all living much longer and we often live longer in retirement than we spent working. So...how do we fill that time? G Gauge trains are the perfect solution to that question. They are big enough to see and handle, and their operation is not too strenuous for seniors to accomplish.

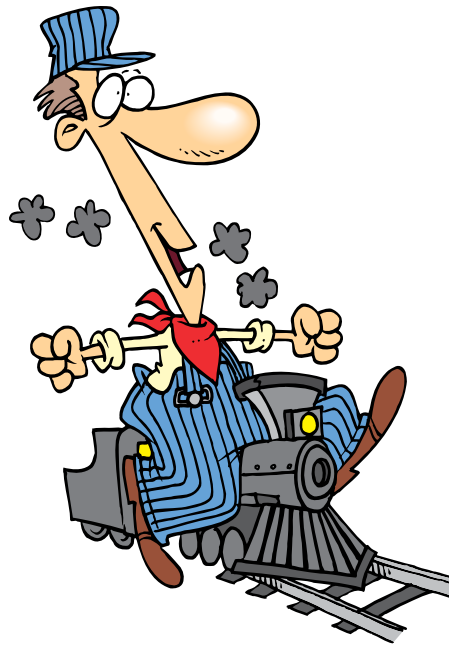
The fact that they are a hobby that is done at home, without having to drive to a remote location is a great plus. Gas is saved, and the rest of your family knows where you are always. Gardening is the biggest hobby in America, if not the world, and it's something a spouse can do along side of the railroader as well as the scenic details of the layout are often done by the distaff side of the family with great enjoyment.

This bodes well for G Gauge, and we need to get this message out there to retirees and those planning for that stage of life. With only 30,000 or so active hobbyists in G, we need to expand that number to the many millions of retirees who are bored and restless.

We do need to make the entry level cost much lower and make the setup easier. ARISTO-CRAFT's idea is to go with plastic roadbed track and battery operation to simplify electrical connectivity problems and the possible problem of leaving a power supply exposed in inclement weather. The power supply should always be kept under cover, but we're

human, and remembering this safety factory is not always at the top of our list.

Plastic track is made from an engineering plastic that is rock hard and has u.v. protection. The track



pieces lock together, and they have drain holes for rain runoff. While we would suggest pulling up the grass where the roadbed will lay, a ditch does not have to be built. The track lies free floating on the ground and can be spiked in with small nails to hold it loosely in place.

Radio control is the key to running battery operated trains, and we're going to make a basic version of our Revolution. This version can

control up to six trains and will be on 2.4 Ghz. If more features are needed, it's a logical pathway up to the full version. This basic version will be in the \$50 MSRP range and will give great stability to the entry-level hobbyist. It will work simply and steadily and allow a quick path to personal satisfaction of how their trains operate.

Our goal also is to have smaller battery packs to keep the price more affordable and several packs can be linked for longer running if needed. These packs will be in a trailing car, so that recharging and swapping can be done in a short time and without having to open a loco. All our trains have a battery plug external to the engine and it can easily be plugged in to the trailing car.

A simple loop with great plantings will get people started at a reasonable entry price, and the layout can be expanded as time and money allow. Most of us would rather spend our money on a new train as the enjoyment keeps giving pleasure for many hours instead of a onetime few hours. A mix is needed, but we hope the balance will favor a layout expansion.

Another thing needed is to raise the trains off the ground as many of us seniors can't go up and down as easily as we used to. We recommend purchasing 8'x30" tables at HOME DEPOT and then using lawn trim

(Continued on page 2.)



Photo C, 2011 Michael J. Vickey

The SW-1...It's Planning & Design

ARISTO-CRAFT wanted to make a small locomotive after releasing the Consolidation and re-releasing the Mallet and Pacific, that are all large locos for big layouts. John Mikesh, our product manager, selected the SW-1 as a great candidate for the next loco we could make. The problem always is getting the good research detail and when we discussed this with our designer, Steve Gugel, he knew of a current version in his Baltimore area that he could photograph and study

A main advantage of the SW-1 is that it was produced in a large variety of road names and these will be popular all over the country. Having a loco that was used all over the country means we could legitimately produce a wide range of product over the years. In other words, this is an evergreen process for the investment in the molds.

This is a very low profile loco and we had just developed the PCC

Trolley gearbox we knew we had a reliable drive for this loco that would allow the correct height appropriate and possible. We will lengthen the size of the gearbox, but keep the height. In fact, we did not have a single return on the PCC's, though we did have a loud complaint of it sounding loud that was not repeated by anyone else. One out of thousands is a respectable defect rate and we have not had a loco returned since the new Santa Kan came into being.

We did learn from the PCC in that we had to make adjustments for the die cast chassis, so that the metal wheels would not touch the metal chassis and cause shorts. We changed the drawings before going to the mold production status where the costs are minimal in relation to changing molds after they were produced.

We also produced a cover for the REVOLUTION/DCC port to stop any
(Continued on next page.)

Garden Railroading and Retirement

(Continued from page 1.)

sidings to build up the side of the table by 3" or so. Then use potting soil to allow plantings of choice to enhance the environment. The tables can be moved if you have to move your residence, and they are rugged enough to resist any inclement weather your region might endure. A second type of four or 6' table can be put in corners to allow return loop diameters and to allow most diameter track to be used.

Even water events can be used on the tabletops, and pumps and accoutrements can be hidden under the table. If 8' is standardized on the tables can even be moved to modular layouts at shows with easy on and off on panel trucks.

Everybody loves trains, and we need to make it easier to share in the fun!

All the best, ♦
Lewis Polk



SW-1 (Continued)

smoke fluid overflow from affecting the PCB board. Like the PCC, we will use a special Teflon tube to protect the wires from touching the metal chassis if the plastic covering



wears when the motor drive pivots.

This is a small loco, so we felt adding weights alone was questionable and the die cast chassis adds weight below the center of gravity. This worked very well with the PCC Trolley and the smooth running and holding of turns on the track is due to this low center of gravity weight.

Of course, we worked super hard on getting all the details of the original into the mold. Both John Mikesh and Steve Gugel have created a model that is an exact replica and still allows our model functions to be incorporated.



Still to come is a test period with the first test shots and engineering sample. Navin Shievdyal, working with JK Kim, our engineer, put the loco through its tests that supplement the 100-hour test at the factory. Navin has to fix any problems and his goal is to be like the Maytag repairman and not have anything to do. Navin also handles parts and customer service on the REVOLUTION R/C, so no repairs is a plus.

Creating a new product from scratch is a miracle process. Steve Gugel spent hundreds of hours on the accurate design and that includes the appropriate design for the power brick with appropriate side frames, pole holes, areas for sounds to come through the body, correct handrails and a hundred other check points for accuracy. Then we get engineering drawings to review in advance of cutting the first piece of steel, which is an art form unto itself. If I may remind you that once the engineering drawings are done in 3D, someone else has to redraw these in reverse to cut the steel. If a mistake is made on the originals it magnifies in the reverse drawing. This last drawing also has to take into account the fact

that some parts shrink at a different rate depending on its distance from the molten plastic is inserted, the type of material being used and the pressure of the injection machine of the plastic.



Then we have to check the injection for sinkholes and shrink defects that are a normal part of the process. Rectifying molds is an



art unto itself, but Sanda Kan is an expert mold maker and finds most of the problems on her own, making our job easier.

Once we have a rectified model, we turn it over to Michael J. to do the detailed artwork for each selected road name. That's another story on its own, he's the most experienced commercial artist in the design of model train paint schemes.

It's a complicated process, but a necessary one to provide the hobbyist with the level of fidelity to scale and reliable operation. I think *Team Aristo* has now achieved a higher level of providing a product that is trouble free. We look forward to this release next year.

All the best, ♦

Lewis Polk



2-8-0 CONSOLIDATION

1/29
SCALE



ART20600 2-8-0 CONSOLIDATION FEATURES: 1/29 Scale • Operating Smoke Unit • Can Motor Drive with Built-In Cooling Fan • All Drive Axles Gear Driven • 4 Patented Ball-Bearing Equipped Gearboxes • 3 Flywheels For Better Locomotive Performance • Operating Front Headlight • Operating Marker/Classification Lights • Moveable Cab Side Windows • Metal Drive Wheels with Electrical Pick-Up • Metal Side Rods • Blackened Solid Brass Grab Railings • Boiler and Cab Interior Detail • MU Plugs for Battery Hookup • DCC/RCC Compatible Socket in Tender • Front AAR Knuckle Coupler • Rear Drawbar for Tender



20601 - B&O



20602 - WESTERN MARYLAND



20603 - ATSF



20604 - UNION PACIFIC



20608 - NEW YORK CENTRAL



20609 - USATC

MORE ROADNAMES:

20600 - UNDECORATED
20605 - NEW HAVEN
20606 - C&NW
20607 - GREAT NORTHERN
20610 - CNR
20611 - PRR
20612 - SOUTHERN PACIFIC
20613 - CNJ
20614 - SOUTHERN RR

This 2-8-0 Consolidated Steam locomotive is a highly detailed 1/29th scale unit and is suitable for indoor and outdoor operation. It has been designed and manufactured to our usual high specifications.



ARISTO-CRAFT TRAINS

698 S. 21st Street, Irvington, NJ 07111-4109

Phone: 973-351-9800 Fax: 973-351-9700

Visit us online at <http://www.aristocraft.com>

Manufacturing in the Far East Versus the United States — An Explanation

After the defeat of the Japanese in WWII, General MacArthur was looking for a way to re-establish commerce in his arena of supervision. MacArthur established a letter of credit system, where the purchase confirmed advanced payment with a corresponding bank and the local Japanese bank would loan money to the domestic supplier allowing them to make purchases to complete that product that was guaranteed on the L/C (Letter of Credit).

The manufacturer would order just enough parts to complete the order and ship to match the payment

generate sufficient profit to modernize equipment regularly.

Western manufacturers are expected to keep inventory on the shelves and are reluctant to upgrade molds and machinery to keep costs down. This is a more normal way of doing business (at least in the United States), but does slow down the rectification of molds and improvement of the molds and machinery that is the heart of the manufacturing process. This also tends to keep prices high and only re-negotiated annually instead of on an order-by-order basis.

can't be stored too long before the goods are to be shipped as they take up valuable space in the warehouse. Usually, goods are produced and shipped within the same month to keep the high cost of warehouse space needed to no more than what is required to be shipped that month. If you get a single container a month, the warehouse will only hold the equivalent of a single container.

If we order parts, they have to be on the same purchase order as the production quantity as minimum production runs for parts is too high unless shared with the actual production of the item.

A Purchase Order is the trigger and end result of what was ordered several months in advance to allow an orderly purchasing of parts. If there were 10% leftover parts for each order they would soon fill the warehouse and eat up any chance for a profit on the production of the item for the factory.

Good Luck Competing Against Chinese Labor Costs. Manufacturing Job Growth In China Is Headed Up, Not Down; 109 Million Mfg. Workers In China Dwarfs Number in U.S.*

**Manufacturing & Technology News, Volume 13, No. 9.*

of the L/C. Thus there was no inventory and each time they got a repeat order, they were able to upgrade the manufacturing based upon the results of the last order.

All costs of development of the product were bourn by the foreign (domestic) customer and only the parts and labor were used from the supplying country and company.

This worked well and Japan and the other Oriental manufacturers grew into powerhouses without worries about development and inventory. The rapid upgrades of the order-by-order process meant there was no inventory on the shelves to become obsolete and the sub-suppliers that survived were those that could deliver quickly and were financially strong as they were paid in advance by the L/C formula.

The Oriental manufacturers are also able to constantly upgrade the efficiency of their machines as faster and better production allows them to do more sales and thus

While there are pluses and minuses for both methods for model train manufacturing, the improvements on a production-by-production basis is better. Model trains are not made every day—it's more likely to be just twice a year. Manufacturing the same item daily is much easier than short run products run again several months or even years later.

This is accomplished by MRP (Manufacturing Resource Production software) that computerizes every part and the number needed with a full spec and part number to be ordered when an order is received. By pushing a single number (all parts, their lead times, the number of plastic parts from the mold), recommended suppliers get purchase orders for this product. When all parts are received you can then plan production as a single missing screw, for example, cost stop all production.

This is followed through by *just in time* delivery of packaging that



So...we can't order off the shelf and have FEDEX fill up our warehouse everyday. We have to look at the sales for the past 6 months and order for the upcoming 6 months to arrive as the on hand goods are depleted.

It's not efficient for the product chain, but does give the lowest possible costs.

All the best, ♦

Lewis Polk

Aristo-Craft DOODLEBUG Transformation



Notice something different about the above consist?
It's an Aristo-Craft Doodlebug with Heavyweight trailer!
BUT... both have been shortened over seven inches and then repainted to simulate the Reading RR's Blueliner scheme. Mike Moran of Beacon Hill Trains in Downingtown, PA (WWW.BEACONHILLTRAINS.COM), did the modifications. The

Doodlebug is track-powered and controlled by the Aristo-Craft Revolution R/C system. It also has a Phoenix sound system. The Heavyweight sports a Fred light in the rear and both units have custom interiors, lighting, and populations. Beacon Hill Trains is an authorized Aristo-Craft Retailer and Repair Center located in southeastern Pennsylvania. ♦



The **Fall Show Car** will come with three road numbers: 102, 105, 107 and have plastic wheels. The cost of the car will be \$50.00 each. You will be able to purchase metal wheels at the show for a show price of \$20.00 per pack (one pack does one car).

Available **ONLY** at the show. No reservations, no mail orders. *Arrive early, buy early. If you can't make it to the show on Friday, have a friend purchase your show cars for you.*

Avoid the disappointment of an early sellout.

(Continued on page 6.)

ECLSTS

Fall 2011 • York, PA

Dear All,

We're doing the Fall Show as a smaller version than the Spring event. *It is still the second best show in the country for G Gauge trains.* We don't think that true enthusiasts in the hobby should have to wait for an entire year to see the latest and greatest, nor should they not have that face-to-face interaction with other enthusiasts that they chat with on the Internet only during the year.

This show is not a money maker for the producers, but does help the industry show its products as well as suggest building projects for this coming winter. We don't make announcements of deliveries and products just once a year and it's good for our dealer customers to see what's up for the next six months.

For this show, we will be having a beer (September-October Fest) served by the York Fairgrounds and hope to add some good feelings during the show. Beer and trains are a great coupling of good times and we have asked the Fairground's

authorities to do this. They now have a liquor license and will provide German beers for sale during the show.

ARISTO-CRAFT will announce a great new feature of its REVOLUTION and provide free upgrades at the show. We will also demonstrate our new sound system at the show, which has many advantages over other systems. It is now integral to the REVOLUTION R/C system.

I'm sure there will be other news announced at the show and there will be loads of good buys too.

The Train Collectors Association (TCA) holds their shows twice a year at the same Fairgrounds and both shows have great attendance. We know that in time, both events will equalize in importance and G Gaugers will come to York for both the shows and rail fanning in the local area. Also, wives love the factory shops in the York area, so it's a great fit and win-win for both. ♦

All the best,

Lewis Polk

A LIL' THIS 'N THAT

We send and receive a dozen e-mails a day from our engineering team at Sanda Kan. Some of the daily issues are as follows.

- Wheel flanges for all locos including the back-to-back, depth and thickness.
- New project design issues. Several designs have been done by Steve Gugel who does the rectifications of models he did, but he does check with me to get my opinion.
- PCB board designs that we provide and sample checking.
- Dozens of design issues on the SW-1
- Packaging design of boxes and foam.
- Parts choices and sourcing.
- Explanations of new product operating features that are not show in the raw designs.
- Explanations of artwork on the trains that might include overlapping pad designs or colors of the printing if not just black.
- Manual changes in new runs where the product has changed.
- Production dates often based on parts supply.
- Design of packaging done by our Michael J.
- Labeling and bar coding questions.
- Choice of plastics to be used on various parts of the loco and the parts that need a different material have to be in the same mold in order to be changed.
- Accounting questions.
- New part numbers for spare parts and later their pricing.
- Discussions of new samples received and their approval or not.
- 0-4-0 new project design with new gearboxes and a new style smoke. We have added a flickering light box and this has to be explained along with the program on a computer chip to make the flickering happen
- Discussion of the 0-4-0 with the tender for normal production and without a tender in starter sets for 2012.
- Discussion of the new style numbers when we add new road names, not just new products.
- Packaging tests for drop testing.

This is just one typical day and the topics change on a daily basis. We notify a dozen people with a copy of each e-mail so everyone is updated on the topic simultaneously. Picture attachments accompany almost every e-mail, since many of the people the need to actually do the work can see what we want or vice-versa as many do not read English. I recommend that you purchase a copy of our video on **How Trains Are Made** if you do not already have a copy. ♦



Reflective Decal Film

Reflective stripes and lettering on railroad equipment has become the norm over the last 15 years and C.A.B. has developed a practical application for model railroads in all scales.

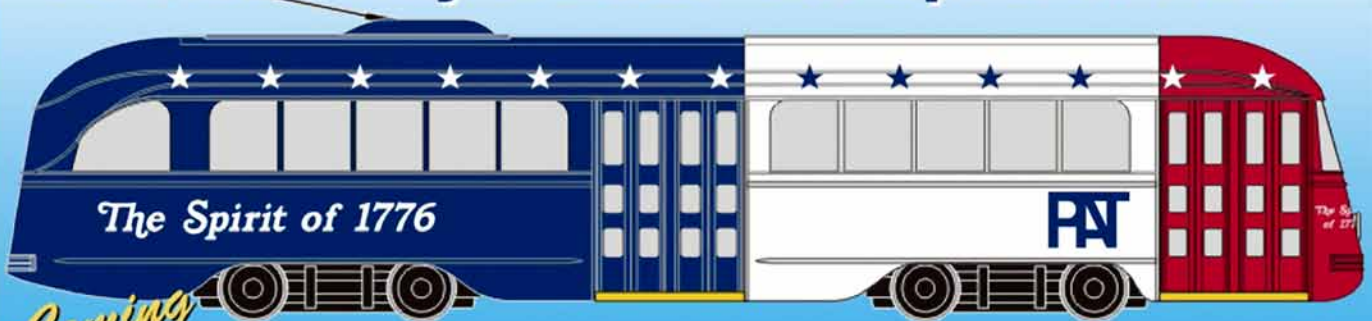
Our first series is for the Aristo-Craft BNSF and includes lettering, stripes and logos. A total of 3 sets are offered based on the engine (for use on BNSF Heritage I paint scheme on Aristo's GP 40 or the Dash-9), and BNSF Heritage II. Union Pacific (w/ or w/o wings) will be available this December.

For more information on our products, please call 631-968-8105 or E-mail at:

CABTRAINSLINY2 @ AOL.COM



Port Authority Transit "The Spirit of 1776"



*Coming
for the
Spring 2012 Show*

2 different versions:
"SHANNON - DRAKE" and "STADIUM - FORBES FIELD"

1:29



**Special Edition PCC Car for the
East Coast Large Scale Train Show
York, PA - March 23 and 24, 2012**

2011 Aristo-Craft Club Car



2011 Club Car • 2-Bay Hopper, Public Service

The **2011 Official Aristo-Craft Club Car** will be a 2-Bay Hopper with plastic wheels at \$50.00.* It's a Reddy Kilowatt Public Service car. You may add a metal wheel car set for an additional \$20.00 when ordered along with the car. We're only making two road numbers on this one, so there will only be two order numbers for the car and one for the special metal wheel car set at the special price.

The numbers are **ART41898C-A** and **ART41898C-B** and the metal wheel set only when ordered with the club cars is **ART29111C**.

These can be ordered online through the ARISTO-CRAFT Online Store under Club. As soon as you login to the Online Store, you go to the right hand side of the page where it says **PRODUCT LINE**. Click on it and go down to where it says **CLUB ITEMS**. Then click the **SEARCH** button. Please note that **SHIPPING CHARGES WILL BE APPLIED TO THESE ITEMS**.

The Aristo-Craft Railroad Club: A Bit of History (1996 & 1997)

by Harry Hartman

For this article we shall take a look at two years in the history books of the ARISTO-CRAFT Railroad Club. Both years you received a club membership card, a membership certificate suitable for framing, all the catalogs that were released during your membership year and the special edition club car for that year. As in the first two years of the club, Lewis Polk continued adding his personal touch to our membership by signing our membership certificates.



When the club cars came by the brown truck, there was no doubt as to what was in the shipping box. The shipping boxes were clearly labeled with ARISTO-CRAFT Railroad Club, the bottom told what year it was for and what the club car was. The 1996 box was the only club car that I received that had my membership number written in on the shipping box as the cars serial number. The 1996 ARISTO-CRAFT Railroad Club Car was a new design of cars and the YELLOW Box stated it was part of the DELTON CLASSICS. It was numbered as ART# 81096.



The Gondola had the ARISTO-CRAFT red diamond with the DELTON CLASSICS at the bottom of the diamond. Under the “road name” of ARISTO-CRAFT was the wording “introducing ARISTO-CRAFT Trains Entry into the Classic Era Of Railroading – 1996” There was a label that said #1 Gauge and 1:24 Scale. Some of the smaller print on this car was interesting. There was a black box (return card) In the bottom center and it said “Return to ARISTO Silver Mine, Silverton, Colorado Ore loading

only” and under the ARISTO-CRAFT red diamond was another box that said “Limited Edition Made Especially For ARISTO-CRAFT Train Club Members.” This club car was a welcome addition for very many *Aristo-Nauts*.

The 1997 ARISTO-CRAFT Railroad Club car was a special year for the club. This year there were TWO issues of club cars. Members could choose either the 1:24 Railroad Club Car or the 1:29 Railroad Club Car. If you choose both cars you would have to pay a second \$50.00 club fee. The 1:24 scale club car was a flat car with cable reels and was another from the DELTON CLASSICS series.



Upon close inspection of the reels, they had real wire rolled onto the reels. This club car was labeled as Track Maintenance Service, the first of several club issues in the “MOW” group. The reels ‘snapped’ into their holders. When I first opened my box and saw one of the reels loose in the box, I thought it was broken and I would have to ask for a replacement. But after close inspection of the car, I figured out that it would snap back into place.



The second ARISTO-CRAFT Railroad Club Car was a 1:29 drop end gondola. It came in with the road name of Track Maintenance Service. It was ART# 41099. It was another great addition to the growing lineup of ARISTO-CRAFT Railroad Club Cars. It should be noted that it is very rare that these three Railroad Club Cars can be found at shows or on the internet for sale. With that thought in mind, one could think that these ARISTO-CRAFT Railroad Club Cars are prized possessions. *I know they are to me.* ♦



2-BAY COAL HOPPERS

1/29
SCALE



41800 - UNDECORATED BLACK (Data Only)



41801 - PENNSYLVANIA RR



41802 - ATSF/SANTA FE



41803 - UNION PACIFIC



41804 - D&RGW/RIO GRANDE



41805 - SOUTHERN



41806 - N&W/NORFOLK & WESTERN



41807 B&O/BALTIMORE & OHIO

With its attention to detail, prototypical accuracy, and superb craftsmanship, the ART41800 2-Bay Coal Hopper series continues the long tradition of excellence and value in the Aristo-Craft Trains product line. This is a must-have item for your railroad!

Not Shown:

ART-41800RA Oxide Red w/Dim Data

FEATURES: Operating AAR-design knuckle couplers • Detailed freight car trucks w/ springs • Removable coal load • Full underframe and air brake system • Brass grab railings • Realistic painting and authentic detailing • Mounting pads for body-mounted couplers • Length: 14 inches/355mm



41808 - GREAT NORTHERN



41809 - BOSTON & MAINE



41810 - CENTRAL OF NEW JERSEY



41811 - C&NW



41812 - NEW YORK CENTRAL



41813- LEHIGH VALLEY



41814 - READING "Anthracite"



41815 - BALTIMORE & OHIO



41816 - NICKEL PLATE ROAD



41817 - DELAWARE & HUDSON

NEW ROADNAMES



41818 - B&O "Large Letters"



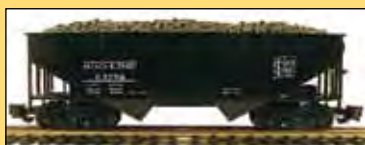
41819 - READING "Speed Letters"



41820 - LACKAWANNA



41821 - ERIE RR



41822 - SOO LINE



41823 - MISSOURI PACIFIC



41824 - NORTHERN PACIFIC



41825 - PITTSBURG & SHAWMUT



ARISTO-CRAFT TRAINS

698 S. 21st Street, Irvington, NJ 07111-4109

Phone: 973-351-9800 Fax: 973-351-9700

Visit us online at <http://www.aristocraft.com>

A NEW PWC TO LINEAR ACCESSORY

APPLE COMPUTER has been successful by having an operating system to control a single computer model and MICROSOFT has been even more successful by making their operating system work with hundreds of computer systems. Obviously, the MICROSOFT way is far more complicated, but for the most part, they have succeeded in providing a product that has brought computer control to a large marketplace.

ARISTO-CRAFT is manufacturing in a very niche market and that market is powered by a dozen or so power systems. We need to make our product compatible with all types of power choices and this new accessory helps do just that. While battery power is the system of choice for us, we understand the investment made in all the track power systems. All legacy systems work and we will continue to support the choices made by our customers.

When designing our Revolution, we decided to stay with PWC as compared to a linear control or even providing a choice. We design for

90% of the marketplace, knowing there is always 10% that will require more than we can successfully provide in a manner that is usable for most users. PWC is the control device for motors and has been for many years in most markets. Linear has been in use in the model train field for 100+ years and is a mode that was used by legacy products, especially sound boards. Today's sound systems have adopted the

PWC control system, but many people have these older sound



systems that have a significant monetary investment.

Also, since our receiver boards control the single train, not the trackage on the layout, the instant emergency stop is not possible with the REVOLUTION system. Therefore, we are allowing a retrograde that allows older sound systems to operate and to have an instant stop of all trains running on a single powered track system.

When using PWC power to operate a PWC-powered loco, the signals interfere with each other due to conflicting wave patterns. Thus, we have engineered a small board that will go between our track powered *Base Station* (CRE57004) and the track. Use setting 00 and a depression of that setting will stop all power going to the track and thus an instant emergency stop. Also, the clean signal now in effect will allow those legacy systems to operate with a pure, clean signal and operate as designed. This new part is called CRE57091 and will be available in late September 2011 for \$30 MSRP.

This was not an easy part to engineer as it has to carry large current and thus requires large capacity components. However, that's our job and the unit exceeds our goals and let's you operate in linear mode if necessary.

You can use this new accessory if you wish to use the base station/super receiver and on board receivers in combination. It's not something we contemplated initially, but we listen to our customers. ♦

All the best,

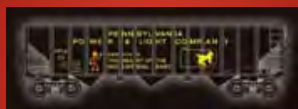
Lewis Polk

EAST COAST LARGE SCALE TRAIN SHOW September 23-24, 2011 YORK FAIRGROUNDS, YORK, PA

For GPS directions, use:
York Expo Center, 334 Carlisle Ave., York, PA 17404

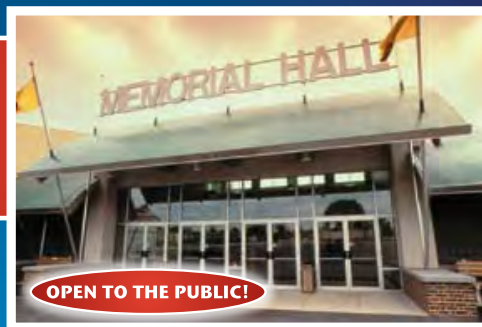
ADMISSION: TWO-DAY TICKET ADULT - \$18
CHILDREN UNDER 12 FREE
ONE-DAY TICKET ADULT - \$10
CHILDREN UNDER 12 FREE
Two-Day Group (Club) Rates Available
\$15.00 for 25 or more tickets when purchased in advance.

HOURS: FRIDAY 9:00 A.M. TO 6:00 P.M.
SATURDAY 9:00 A.M. TO 4:00 P.M.



**ARRIVE EARLY TO PURCHASE
THIS LIMITED EDITION SHOW CAR!**

* Show cars are available ONLY AT THE SHOW. There are NO mail orders or pre-orders for these show items. These items are of limited quantity and not guaranteed for all attendees.



**MAJOR MANUFACTURERS AND RETAILERS
LOTS OF SEMINARS
LARGE SCALE CLUB LAYOUTS
THOUSANDS OF TRAINS
GREAT DEALS AND BARGAINS
FUN FOR KIDS AND ADULTS**

J.J. Productions, P.O. Box 142, Ridgeley, WV 26753
(908) 361-2117 jjproductions@atlanticbb.net <http://www.largescaletrainshows.com>

2011 ARISTO-CRAFT FALL ECLSTS CAR



- ☞ 100-ton Pennsylvania Power & Light Coal Car
- ☞ Comes in **three** road numbers (102, 105, 107)
- ☞ **Comes with plastic wheels**
- ☞ Price: \$50.00
- ☞ Metal wheels will be available for purchase at the *Show Car Booth* and will cost \$20.00 a pack. (One pack will do one car.)
- ☞ A **coal load** will be available for the Fall ECLSTS Car at the *Show Car Booth* and will cost \$15.00.
- ☞ Remember to **buy your show cars early. if you can not make it to the show on friday, get a friend to pick up your cars for you.** Avoid the disappointment of an early sellout.

ARE YOU READY?

The Fall ECLSTS is 3 weeks away!



The Fall 2011 East Coast Large Scale Train Show is right around the corner. The dates for the 2011 Fall ECLSTS are September 23 and 24. The show will open Friday at 9:00 a.m. and close at 6 p.m. On Saturday, the show will open at 9:00 a.m. and close at 4:00 p.m. For those of you that need a GPS address to find the York EXPO Center, the address is 334 Carlisle Ave, York PA 17404. The Fall ECLSTS will be different this year. We have decided to NOT rent the display hall for this show. We decided to concentrate on the Vendors Hall. Yes we will have two displays at this show. The Susquehanna Valley GRS will be in their usual spot, right inside the door. The Chesapeake, Allegheny, & Blueridge (CAB) will be in the vendors hall. The Fall Show will have a couple new vendors and many of the ones you enjoy seeing at our shows. We have requested that some beer be served at the Fall Show, so the food vendor will have a beer on tap. The fall show hotel is the *Holiday Inn Conference Center*. If you have not made your reservations, do it soon as they will have agreed to hold some rooms till 30 days before the show at the show pricing. After that date, they have to option of charging the full rate for a room. Be sure and tell them it is for the **EAS**. Those three letters will get you the show rate of \$89.00 plus tax. We have an excellent show car that will be available for purchase AT the show. The 100-ton Pennsylvania Power and Light Company Coal Car will come in three

road numbers. Remember this car comes **with plastic wheels – not metal wheels**. We will have metal



wheels available for purchase **at the booth** for \$20.00 a pack. One pack will do one car. We will also have coal loads available.



Keeping in line with the show car we have selected a very nice design for the Fall Tee Shirt. This shirt will feature a Icon from many years ago. I think you will like this design. Remember to tell your friends about the show and bring them will you. There will be lots of great bargains and a chance to chat with your Garden Railroading friends.

We have announced early the 2012 Spring ECLSTS Show Engine. Many of you have been asking us to bring back a powered unit. So we

have selected the Pittsburgh PCC Spirit of '76. It is a very sharp looking design. It will come in **TWO** different destinations, Forbes Field and Shannon Drake. We were so excited about this release that we could not wait till the show to tell everyone. This PCC show engine will sell for \$200.00 at the Spring 2012 show. Again, you need to be present to purchase this beauty. No mail orders, no phone orders to hold.



Kathy and I had the chance to go to the National Garden Railroad Convention this summer. It was held in Kansas City, Kansas. I was asked how it felt to attend a Garden Railroad show and not have to worry about putting it together or being there to see that it runs as smoothly as possible. I said it was **great to be on the other side of the table for a change**. We had a great time at the show. We saw many of the vendors that attend the East Coast Shows and also got to see some of the people that attend our shows. We also stopped by the ARIST-CRAFT booth and talked with Scott and Navin. We even had the chance to go to a couple seminars and sit through the whole seminar. We enjoyed sitting in on Scott's

(Continued on next page.)



seminar. Scott answered questions after he was finished his seminar. We went on the bus tour on Friday. Saw some great displays. I have always said, every time I visit a new display, I always come away from the visit with at least **one new idea** for my display.

It is strange how hobbies tend to cross over to other hobbies we have that we did not know other people

were interested in too. Kathy and I attended the National Hallmark Ornament Collectors Club Convention this summer. We ran into several Garden Railroad friends. It was also neat to learn that some of the Hallmark Ornament Artists are 'train nuts' and a couple of them are starting **their** own Garden Railroad

Vendors List —This is the list of vendors who have committed to

participate in the East Coast Large Scale Train Show, Fall, 2011. As this list has been published more than three weeks before the show, it is by no means current. A more up-to-the-minute list of vendors will be posted on the ARIST-CRAFT Forum and www.largescaletrainshows.com. This list will be updated as we receive information from other interested manufacturers and/or vendors.

- ◆ All About LGB
- ◆ Aristo Craft Trains
- ◆ B & B Hobby Supplies
- ◆ Bachmann Industries, Inc.
- ◆ Bills Back Shop
- ◆ Cordless Renovations
- ◆ Dallee Electronics, Inc.
- ◆ Garden Railways Magazine
- ◆ G Scale Junction
- ◆ Hillman-Stewart (Hillman Railclamps)
- ◆ Hot Wire Foam Factory
- ◆ Jamies Collectibles
- ◆ Just Plain Folk
- ◆ Mike Setzer Hobbies
- ◆ MNP Inc.
- ◆ Mountain Products
- ◆ N Pire Models
- ◆ National Christmas Center
- ◆ Nicholas Smith Trains
- ◆ P & R Hobbies
- ◆ Shawmut Car Shops
- ◆ Sidetrack Hobbies
- ◆ South Bend Signal Company
- ◆ Southeast Trains
- ◆ Split Jaw Products Inc
- ◆ Star Hobby
- ◆ St Aubin Trains
- ◆ Town & Country Collectibles
- ◆ Train World
- ◆ Train-Li-USA LLC
- ◆ USA Trains
- ◆ VANCO Log Dollhouses
- ◆ West Virginia Railroad Co.
- ◆ Woo Woo Express

Be sure to watch the two web sites for a list of seminars/clinics to be held at the show. ◆





A.A.R. Dealer Directory

Association of Aristo-Craft Retailers organized by Country and State

UNITED STATES OF AMERICA

ARIZONA

Arizona Train Depot, Mesa, 480-833-9486
The Hobby Place at Ace, Tucson, 520-747-9473

CALIFORNIA

B & F Hobbies, Bakersfield, 661-322-7955
Big Y Yardage, Montclair, 909-624-8201
Central Coast Trains, Atascadero, 805-466-1391
D & J Hobby, Campbell, 408-379-1696
Discount Trains Online, Riverside, 877-529-2834
Doll House & Crafts, Novata, 415-883-0388
Garden Railroad Supply, Martinez 925-228-8614
Gibson's, Fountain Valley, 714-641-6611
Glenview Supply, El Cajon, 619-443-1017
Gold Coast Station, Ventura, 805-339-0379
J. Gordon Specialties, Temecula, 951-693-2599
Just Trains Concord, 925-685-6566
Loco-Boose, Redwood City, 650-368-1254
The Loose Caboose, Napa, 707-258-1222
Marty's Hobby, Thousand Oaks, 805-497-3664
Morgan's Big Trains Emporium, Huntington Beach, 714-887-0777

Narrow Gauge Junction, La Habra, 562-694-0598
R/C Country Hobbies, Sacramento, 916-731-5868
Roy's Trains & Things, Clovis, 559-325-0102
San-Val Trains, Van Nuys, 800-423-3281
Square Roundhouse, Turlock, 209-668-4454
Talbot's Toyland, San Mateo, 650-342-0126
Tom's Trains, Fresno, 559-266-3192
The Train Stop, San Dimas, 909-599-2602
Upland Trains, Upland 909-985-1246

COLORADO

Caboose Hobbies, Denver, 303-777-6766
Mizell Trains Inc., Westminster, 303-429-4811
RGSRR Hobbies, Ridgway, 970-708-2100

CONNECTICUT

Amato's Toy & Hobby, New Britain, 860-229-9069
TimeMachine (N.E. Hobby), Manchester, 860-646-0610
War & Pieces, W. Hartford, 860-232-0608

DELAWARE

Just Trains, Newark, 302-266-8063
L.H. Webb, Frederica, 302-335-5841

FLORIDA

Budget Train Store, Jacksonville, 904-772-0929
D & B Railways, Delray Beach, 561-495-0244
Doug's Model Trains & Hobbies, Dunedin, 727-733-8222
Family Hobby Center, Naples, 239-261-8545
Happy Tunes Music & Hobbies, Lutz, 813-948-1419
John's Hobbies, Summerfield, 352-347-7201
Trains by Johnson, Pensacola, 850-478-8584

GEORGIA

Model Railroad Shop, Atlanta, 770-432-7300
Nordik Trains, Kennesaw, 770-928-2487
Southeastern Train, Augusta, 706-796-0052
TrainMaster, Duluth, 770-622-1611

IDAHO

C & C Railroads, Coeur D'Alene, 208-664-4895
Garden Valley R.R. Supply, Pocatello, 208-238-9633

ILLINOIS

Ace Hardware, Aurora, 630-897-9227
Bartlett Depot, Bartlett, 630-837-3376
D&N Hobbies, Effingham, 217-536-6400
Denny's Trains, Oswego, 630-554-6964
First Hobby, Decatur, 866-240-0252
L & B Hobby, Palos Hills, 708-599-6250
The Pizza Express, Carterville, 618-985-6262
RLD Hobbies, Albion, 877-753-4629
Rail Garden Features, Charleston, 217-343-7740
Rail Hobby Trains, Rockford, 815-484-9388
Action Hobby Distributors/St. Aubin, Woodstock, 815-334-0400
Thunder Road Hobbies, Moline, 309-762-5295
Trains of Yesterday, Morton Grove, 847-470-9500

INDIANA

Iron Horse Logos, Hartford City, 765-289-2418
Maple City Hobbies, Goshen 866-99-HOBBY
Phil's Hobby Shop, Fort Wayne, 260-426-5056
Samuelson's Train Shop, Valparaiso, 219-462-2708
The Train Yard, Indianapolis, 317-890-9774
Watt's Trains, Zionsville, 800-542-7652

IOWA

Box-Kar Hobbies, Cedar Rapids, 319-362-1291
Caboose Stop Hobbies, Cedar Falls, 319-277-1754
Fagan's Hobbies, Dubuque, 563-588-0846
Hobby Corner, Iowa City, 319-338-1788
Kidman Tree Farm, Polk City, 515-984-6946
MidAmerica Hobbies, North Liberty, 319-665-9655

KANSAS

Dad's Toys, Leavenworth, 913-662-1786
Dee & Mee Hobbies, Topeka, 785-228-9601
Garden Railroad Gizmos, Wichita, 316-262-4300
Suburban Lawn & Garden, Shawnee Mission, 913-649-8700
Toto Trains, Lawrence, 785-766-0467

LOUISIANA

America's Train Yard, Baton Rouge, 225-926-5592

MAINE

E. Boothbay Central Supply, East Boothbay, 207-633-7703
Highrailer, Waterville, 207-873-1120
Powder & Patch, Buxton, 207-929-4704

MARYLAND

G Scale Train Station, Waldorf 866-374-9340
Glyndon Gardens, Reistertown, 410-833-2791
M.B. Klein, Baltimore, 410-229-9995
The Moose Caboose, Sykesville, 410-795-4610
Smithsburg General Store, Smithsburg, 301-824-6330
Star Hobby, Annapolis, 410-349-4290
Train Depot, Mount, Airy 301-607-8155
Train Room, Hagerstown, 301-745-6681

MASSACHUSETTS

Big-G-Trains, Ayer, 978-772-9449
Centerline Hobbies, Hyannis, 800-675-1244
Charles Ro Hobbies, Malden, 800-225-4424
Country Train, Swansea, 508-669-5547
Duxbury Green, Duxbury, 781-585-2164
Hobbytown Stores, Hanover, 781-826-5279
Hobbytown Stores, Quincy, 617-472-3887
Pioneer Valley Hobbies, Springfield, 413-732-5531
RPM Hobbies, Abington, 617-786-7574

MICHIGAN

Brassuer Electric, Saginaw, 989-793-4753
C&T Hobbies, Cheboygan, 231-627-3603
G & G Trains, Leslie, 517-589-5977
Great Lakes Hobby, Shelby Twnshp, 586-323-1300
The Hobby Hub, Lansing, 517-351-5843
Hobby World, Grand Rapids, 616-538-6130
J & W Model, Coloma, 269-468-5586
Jackie's Trains, Erie, 734-848-2068
Junction Valley RR, Bridgeport, 989-777-3480
Merri-Seven Trains, Livonia, 248-477-0550
RC Hobbies, Waterford 248-681-1441

MISSISSIPPI

HobbyTown USA, Jackson, 601-957-9900

MISSOURI

John's Train Supply, St. Louis, 314-993-2444
Mark Twain Hobby Center, St. Charles, 636-946-2816
Show Me Model RR, Grandview, 816-966-1534
Schaefer's Hobby, St. Louis, 314-729-7077
Trains Ltd., St. Louis, 604-703-1365
Train Haus, Hermann, 573-486-0117
Unique Toy & Game, Wildwood, 636-548-3700
Hobby Station, St. Louis, 314-822-1927
Checkered Flag Hobby Country, St. Louis, 314-892-5353

NEBRASKA

House of Trains, Omaha, 402-934-7245
The Train Cellar, Lincoln, 402-464-4925
Trainman's Trading Post, Omaha, 402-734-7233
Train Time Hobby, La Vista, 402-502-6993

NEVADA

Reno Rails Reno, 775-337-6669
St. Aubins, North Las Vegas, 702-644-4799

NEW HAMPSHIRE

Hartmann Model Railroad, Intervale, 603 356-9922
Mountain Trains, Manchester, 603-622-8982

NEW JERSEY

Allied Hobbies, Burlington, 609-386-5044
Big Little RR Shop, Somerville, 908-685-8892
Bill Bitter Flowers & Plants, Wall 732-681-3681
Dougherty's Whistle Stop, Summit, 908-277-4442
Hobbymasters, Inc., Red Bank, 877-674-6229
HOGTRAINZ, Manalapan, www.HOGTRAINZ.COM
The Model Railroad Shop, Piscataway 732-968-5696
Ridgefield Hobby, Ridgefield, 201-943-2636
Standard Hobby, Mahwah, 800-223-1355
Tony's Train Town, Cedar Grove, 973-857-2337
Track "33" Inc., Westville, 856-423-2723
Watermelon Bar & Garden, Atlantic Highlands, 732-291-0613
Zeppelin Hobbies, Riverdale, 973-831-7717

NEW MEXICO

Wig-Wag, LLC, Albuquerque, 888 293-0736

NEW YORK

Aurora Hobbies, E. Aurora, 716-652-5718
Dee's Tiques & Train Shop, Delhi 607-746-6900
Hobbytime, Plainview, 516-933-3818
Hobbytown U.S.A., Islandia, 516-342-1518
Lantz Train Shop, Horsehead, 607-795-5038
Niagara Hobbies, Buffalo, 716-681-6060
Pine Valley, Syracuse, 315-470-0157

(Continued on next page.)



A.A.R. Dealer Directory *(Continued)*

Association of Aristo-Craft Retailers organized by Country and State

NEW YORK *(Continued)*

Prince Hobby, Forest Hills, 718-520-9016
Ridge Road Station, Holley, 877-447-2253
Roberts Lines, Walworth, 315-986-1365
Trainland, Lynbrook, 800-221-0846
Trainworld, Brooklyn, 800-541-7010
Westchester Hobbies, White Plains, 914-421-1262

NORTH CAROLINA

Covered Wagon, McLeansville, 336-697-0255
Jim's Train Sales, Etowah, 828-891-7570
Little Choo Choo, Spencer, 704-637-8717
Railfan Specialties, Wilmington, 910-686-2820
Tom's Train Station, Raleigh, 919-388-72
Train Buddy Products, Wake Forest 919-562-4378

OHIO

Cross Creek Engineering, Spencer, 800-664-3226
Crouse Mill True Value, N. Lima, 330-549-2143
Depot Trains, Cleveland, 216-252-8880
Forgotten Thyme Gardens, Medina, 330-723-1948
G Scale Junction, Newark, 800-311-9448
The Hobby Shop, Dayton, 937-436-6161
Phil's Hobby Shop, Defiance, 419-782-8020
Sandy's Hobby's, Elyria, 440-365-9999
Smithville Model Train, Smithville, 330-669-8589
Smokestack Hobbies, Hamilton, 513-779-1161
Train Car Ltd., Newark, 740-745-2798
Velk's Flowers, Multiple Locations, 800-952-0284
Last Train Stop, Owasso, 918-277-2990
Woodward's Hobbies, Oklahoma City, 405-751-4994

OREGON

Eugene Toy, Eugene, 503-344-2117
Larry's Lighting Repair, Portland, 503-238-1714
Scheffel's Toys, Jacksonville, 503-899-7421
Tammies Hobbies, Beaverton, 503-644-4535
Train Mountain, Chiloquin, 541-783-3030

PENNSYLVANIA

A.B. Charles & Son, Pittsburgh, 412-561-1615
Allied Hobbies:

Exton, 610-363-6988
 Philadelphia, 215-677-1123

Backshop Books & Hobbies:

Lancaster, 717-687-7686
 Strasburg, 717-687-7686

Beacon Hill Trains, Downingtown, 610-383-7277
Choo Choo Train, Hudson, 570-824-3471
CoolTrains Hobbies, Salunga, 717-898-7119
Derr's REA, Williamsport, 570-323-5714
Dreamboat Hobbies, Warren, 814 723 8052
Engler's Train Depot, Allentown, 610-791-9512
Fischel's Hobby Center, Dubois, 814-371-1482
Fleetwood Building Block, Fleetwood, 610-944-8385
Frey's Evergreen, Willow Street, 717-786-3974
Iron Horse Hobby House, Reading, 610-373-6927
J&B Hobbies, Mechanicsburg, 717-766-0709
Landscape Materials, New Tripoli 610-767-9507
Loco Louie's, Milmont, 610-583-7711
Long Lane Acres, Ottsville, 610-847-2586
Nicholas Smith, Broomall, 800-848-9119
The Train Shoppe, Wilkes-Barre 570-824-7688
Trains & Lanes Hobbies, Easton, 610-253-8850
Victoria's Treasures, Womelsdorf, 610-589-9000
Village Toy Shoppe, Lahaska, 215-794-7031
Warrior Run Loco, Nanticoke, 570-735-5570
Wood Wicker & Wax, Levittown, 215-945-5522

RHODE ISLAND

Grandpa's Trains, Warwick 401-463-7803

SOUTH CAROLINA

The Great Escape, Greenville, 803-235-8320
New Brookland RR, W. Columbia, 803-791-3958

SOUTH DAKOTA

Donovan's Hobby & Scuba Center, Sioux Falls, 605-338-6945

TENNESSEE

Hudson Classic Hobbies, Nashville, TN, 615-833-8337
Jack's Trains, Johnson City, 423-282-9108
Model & Hobby World, Elizabethton, 423-543-5304
Sloan's Fine Art & Hobby, Dickson, 615-446-1055
Smoky Mountain Model Trains, Sevierville, 865-428-8595
Southbound Trains, Franklin, 888-844-4403

TEXAS

B & H Hobbies, Corpus Christi, 512-985-8383
The Collectible Caboose, Cedar Park, 512-259-9494
Midlothian Hobbies, Midlothian, 972-723-0171
Mike's Hobby Shop, Porter, 281-577-8250
Model Train Crossing, Hurst, 817-595-0800
Papa Ben's Train Place, Houston, 713-523-5600
Rent-A-Dad, McAllen, 210-631-8741

UTAH

Almosta Junction, Clearfield, 801-776-1656
Canyon Hobbies, Draper, 801-572-2702
Earl's Hobby Hangar, Logan, 435-752-4401
M.R.S. Hobby Shop, Sandy, 801-572-6082

VIRGINIA

Deltaville Depot, Deltaville, 804-776-7250
Locust Grove Trains, Locust Grove 540-854-8955
The Nutbush Express, Woodstock, 540-459-5136
Quisenberry Station, Alexandria, 703-799-9643
RicksHobbyShop.com, Roanoke 540-362-7033
Train Depot, Manassas, 703-335-2216
Trains ETC., Warrenton, 540-347-9212

WASHINGTON

Big Trains America, Spokane, 509-484-7098
The Cobbler's Train Shop, Camas, 360-834-3183
Clover Leaf, Union Gap, 509-453-8959
Eastside Trains, Kirkland, 425-828-4098

WISCONSIN

Candle Freak Gallery & Gifts, Wautoma 920-787-2780
Engine House Services, Green Bay, 920-490-4839
Greenfield News & Hobby, Greenfield 414-281-1800
Hobby Depot America, Hubertus, 262-628-2800
John's Hobbies, Hartford, 262-673-7454
The Little Falls Railroad, Sparta, 608-272-3266
Phil's Hobby & Craft, Wautoma, 920-787-7232
Sommerfeld's, Butler, 262-783-7797



INTERNATIONAL

AFRICA

Hobbydoc, Capetown, South Africa, 27214477528

AUSTRALIA

Adelaide Garden Railway Supplies, Goodwood, South Australia, 8 82716875
Model Merchant, Sydney, Australia, 02-9555-9537

CANADA

AC Trains, Burlington, Ontario, 866-838-3441
Art Knapp Plantland Surrey, B.C. 604-596-9201
Canada G-Scale Trains (*Distributor only*), 604-484-9256
Canadian Scale Rail, Olds, Alberta, 403-556-3771
Chinook & Hobby West Calgary, Alberta, 403-243-1997
The Credit Valley Streetsville, Ontario, 905-826-1306
George's Trains Toronto, Ontario, 416-489-9783
Hockley Valley RR, Alliston, Ontario, 705 435 7024
Hutch's Trains, Burlington, Ontario, 905-637-3721
Maritime Hobbies, Halifax, N.S., 902-423-8870
Max Trains, Montreal-Nord, Quebec, 514-322-8626
NVSI- VCR Repair, Kanata, Ontario, 613-592-9402
Pine Street Station, Chatham, Ontario, 519-397-1488
TLA Custom Models & Hobby, Wilton, Ontario, 613-386-7720
Township Toy Trains, Knowlton, Quebec 450-243-1881
Trains & Such, Calgary, AB 403-277-7226
Udisco LTD, Montreal, Quebec 514-481-8107
Ultimate Trains, Nanton, Alberta, 877-646-1190
West Railway Studios, Hartley, Manitoba, 204-858-2596
Winona Garden Railway, Guelph, Ontario, 519-763-9477

FRANCE

Les Trains de Dalipumes, Villiers sur Morin, 00 33 950 87 87 10

GERMANY

All American Trains, Kaarst, Ger 49-2131-769640
Fertig Modellbahnen, Moerlenbach, Ger 49-6209-4265
Gartenmodelleisenbahn und Mehr, Eschborn, Ger 49-6173-966230
Modellbaushop Drexler, Gross-Rohrheim, 49-6245-997852
ModelleisenbahnCenterSchuler, Stuttgart, 49-711-608375
Sammler-Service Scheyern, Ger 49-8441-22-44
Semaphore Trains, Weil am Rhein, Germany, 49 7621 577317

JAPAN

Train Depot, Tokyo, Japan 813-3718-8916

SWITZERLAND

Bigtrains&more Ltd, Sissach, Switzerland, 61 971 6615

UNITED KINGDOM / ENGLAND

dragon-gscale Limited, 158 St. Teilo Street, Pontarddulais, Swansea, SA4 8RA
Garden Railway Centres, Cheltenham, England 44-1242-519770
Garden Railway Specialties, Buckinghamshire, England, +44 (0)1844345158
Glendale Junction, Deeping St. James, England, 01778 343183
Kernow Model Rail Centre, Camborne/Kambronn, UK, 01209 714099
Kent Garden Railways, St. Mary Cray, England, 44 1689 891668
Martin's Models, Kington, England, 44-1544-230777
OnTracks.co.uk, Pontrilas, England, +44 (0) 8700 111 131
Scottish Garden Railway, Stirling, Scotland, 01786-464193
Spot-On Models & Games, Swindon Wilts, UK 01793 617302
Totally Trains, Herefordshire, England 44-1989-567577



New Arrival List • Sept.-Oct. 2011

Item Description List (\$US)

NEW ARRIVALS on or about 9-20-11

___CRE57091	PWC to Linear for Base St. .	30.00
___CRE57000	Revolution Set	345.00
___CRE57002	Revolution Receivers	133.00

NEW ARRIVALS on or about 9-15-11

___ART41431P-A	100 Ton Coal Hopper Soo Line	113.00
___ART41432P-A	100 Ton Coal Hopper Milwaukee	113.00
___ART20604	100 Ton Coal Hop. Wheeling&LK.ER	891.00

Also coming ECLSTS Car Special Run for a Dealer

NEW ARRIVALS on or about 8-25-11

___ART30380	Switch Wide Manual Left . .	86.00
___ART29111bb	Metal Wheel Set Bulk	335.00
___ART11000	Brass Straight Track 12" . . .	122.00
___ART11003b	Track Ties Euro	83.00
___ART11031	Bumper Lit	13.00
___ART11200	Switch Manual Right	53.00
___ART11910	Socket Head Track Screws .	7.00
___ART11930b	Rail Clamp Brass Bulk	132.00
___ART30033b	Track Ties Straight Usa	83.00
___ART30300	Switch Manual Right USA .	83.00
___ART30350	Switch Manual Left USA. . .	53.00
___ART30370	Switch Wide Manual Right .	53.00
___ART20370	SS Switch Manual Right . . .	99.00
___ART20380	SS Switch Manual Left	99.00
___ART20100	SS Curved 4' Diameter	164.00
___ART20110	SS Curved 5' Diameter	212.00
___ART20115	SS Curved 8' Diameter	223.00
___ART20120	SS Curved 10' Diameter . . .	403.00
___ART29111d	Metal Wheels Bulk D Cut . .	38.00
___ART12105	Rail 8' Tube.	230.00
___ART12180	Alum Curved Track 8' Diam.	100.00
___ART12101	Alum Straight Track 12" . . .	48.00

NEW ARRIVALS on or about 7-10-11

___ART21605	Mallet C&O	920.00
___ART7206	Built Up Church.	173.00
___ART20600	Consolidation Undec	891.00
___ART20601	Consolidation B&O	891.00
___ART20602	Consolidation W. Maryland .	891.00
___ART20603	Consolidation ATSF	891.00
___ART20604	Consolidation UP	891.00
___ART20608	Consolidation NYC	891.00
___ART20609	Consolidation USATC	891.00

NEW ARRIVALS on or about 6-6-11

Item Description List (\$US)

___ART21601	Mallet PRR	920.00
___ART21602	Mallet ATSF	920.00
___ART21603	Mallet UP	920.00
___ART21604	Mallet D&RGW.	920.00
___ART21605	Mallet C&O	920.00
___ART21607	Mallet N&W.	920.00
___ART21608	Mallet B&O	920.00

NEW ARRIVALS as of 5-28-11

___ART21401	Pacific PRR	725.00
___ART21402b	Pacific B&O Blue	725.00
___ART21405	Pacific Southern Railway . .	725.00
___ART21407	Pacific NYC	725.00
___ART21408	Pacific Union Pacific	725.00
___ART21408	Pacific D&RGW	725.00
___ART21409	Pacific So.Pacific	725.00
___ART214114	Pacific Sante Fe.	725.00
___RMT99417	Seated Figure Set (48) . . .	49.95
___ART99418	Standing Figure Set (48) . .	49.95

Above Perfect for PCC Interior

NEW ARRIVALS as of 2-25-11

___ART29311	Smoke Unit SD-45.	58.00
___ART7103	Water Tower Built Up	173.00
___ART7200	Freight Depot Bu	84.00
___ART22202	RS-3 Diesel Union Pacific. .	397.00
___ART22203	RS-3 Diesel Sante Fe Zebra	397.00
___ART22205	RS-3 Diesel D&RGW	397.00
___ART22206	RS-3 Diesel Rock Is. Rocket	397.00
___ART22211	RS-3 Diesel PRR	397.00
___ART22213	RS-3 Diesel B&O	397.00
___ART22208	RS-3 Diesel Can. Pacific. . .	397.00
___ART22245	RS-3 Diesel New Haven . . .	397.00
___ART2240	RS-3 Diesel Nickle Plate Rd.	397.00

NEW ARRIVALS as of 1-25-11

___ART12190	Aluminum Track 72" Flex. .	234.00
___ART11921	Dual Rail Bender	225.00
___ART11005	Brass Rail 8'	364.00
___ART11060	Brass Straight 24"	212.00
___ART11070	Brass Straight 36" Straight	318.00
___ART11099	Brass Straight 5'	559.00
___ART11100	Brass Straight 12"	106.00
___ART11297	Manual Switch Machine . . .	10.00
___ART11300	30 Degree Crossing	46.00

(NEW ARRIVALS continued on next page.)



New Arrivals • September–October 2011 (page 2 of 2)

Item	Description	List (\$US)
NEW ARRIVALS as of 1-25-11 (Continued)		
__ART 11350	Re-Railer 12" Straight	23.00
__ART 11351	Re-Railer With Diodes.	23.00
__ART 11510	Brass Euro Curved Track 6.5	194.00
__ART 11801	Brass Euro Curved Trk 11.5	341.00
__ART 11900	Brass Rail Joiners	9.00
__ART 11900b	Brass Rail Joiners Bulk (50)	24.00
__ART 11901b	Plastic Rail Joiners Blk (25)	30.00
__ART 11910	Socket Head Track Screws	6.00
__ART 11930	Brass Rail Clamps (10). . . .	14.00
__ART 11930b	Brass Rail Clamps Blk (100)	115.00
__ART 30060	USA Brass Straight 60" . . .	212.00
__ART 30101	USA Brass Curved 1/2 6" . .	56.00
__ART 30103b	USA Track Ties Curved	72.00
__ART 30112	USA Curved Track 6.5'	194.00
__ART 30116	USA Curved Track 9'	267.00
__ART 30121	USA Curved Track 11.5' . . .	341.00
__ART 30122	USA Curved Track 12.5' . . .	368.00
__ART 30125	USA Curved Track 20'	592.00
__ART 30195	USA Straight Track 5'	559.00
__ART 30115	USA Curved Track 8' (16)..	237.00
__ART 30120	USA Curved Track 10"	293.00
__ART 30370	USA Switch Remote Right .	75.00
__ART 30380	USA Switch Manual Left. . .	75.00
NEW ARRIVALS as of 2-5-11		
__ART 41801e	2-Bay Coal Hopper PRR . . .	80.00
__ART 41801f	2-Bay Coal Hopper PRR . . .	80.00
__ART 41802e	2-Bay Coal Hopper ATSF. . .	80.00
__ART 41802f	2-Bay Coal Hopper ATSF. . .	80.00
__ART 41803e	2-Bay Coal Hopper UP	80.00
__ART 41803f	2-Bay Coal Hopper UP	80.00
__ART 41804e	2-Bay Coal Hopper D&RGW	80.00
__ART 41804f	2-Bay Coal Hopper D&RGW	80.00
__ART 41805e	2-Bay Coal Hopper SR	80.00
__ART 41805f	2-Bay Coal Hopper SR	80.00
__ART 41806e	2-Bay Coal Hopper N&W. . .	80.00
__ART 41806f	2-Bay Coal Hopper N&W. . .	80.00
__ART 41807e	2-Bay Coal Hopper B&O . . .	80.00
__ART 41807f	2-Bay Coal Hopper B&O . . .	80.00
__ART 41808e	2-Bay Coal Hopper GN	80.00
__ART 41808f	2-Bay Coal Hopper GN	80.00
__ART 50015p	Evans Box Car Railbox	96.00
__ART 50017p	Evans Box Car Golden West	96.00
__ART 50023p	Evans Box Car Weyerhouser	96.00
__ART 50024p	Evans Box Car GTW	96.00

Item	Description	List (\$US)
NEW ARRIVALS as of 2-5-11 (Continued)		
__ART 50028p	Evans Box Car BNSF Circle	96.00
__ART 50029p	Evans Box Car PRR Cushion	96.00
__ART 50030p	Evans Box Car SP Hydro . . .	96.00
__ART 50003p	Evans Box Car CSX.	96.00
__ART 50001p	Evans Box Car Purina	96.00
__ART 22727	Eggliner Snowflake.	109.00
NEW ARRIVALS as of 1-5-11		
__ART 29300	Smoke Unit	24.00
__ART 29353	Universal Assembly FA-1. . .	9.00
__ART 29132b	Inner Gear Box w/o Wheels .	40.00
__ART 29354	Axle w/Gear FA-1	6.00
__ART 22714	Eggliner Honey Bee	109.00
__ART 29198	Knuckle CoUPler (50)	480.00
__ART 46950	Track Cleaning Car Aristo . .	84.00
__ART 46951	Track Cleaning Car PRR . . .	84.00
__ART 46953	Track Cleaning Car UP	84.00
__ART 46954	Track Cleaning Car ATSF . .	84.00
__ART 22727	Eggliner Snowflake.	109.00
__ART 29138	SS Wheels for 3 Axle Trucks 6	66.00
__ART 29139	SS Wheels for 2 Axle Trk. 4)	48.00
<i>(Club Cars for 2010 - All)</i>		
__ART 22715	Eggliner Monarch Butterfly .	109.00
__ART 22726	Eggliner Christmas Wreath .	109.00
__ART 7103	Water Tower B.U.	150.00
__ART 23302	PCC Trolley Brooklyn	287.00
__ART 23303	PCC Trolley MbtA	287.00
__ART 23304	PCC Trolley Philly Traction .	287.00
__ART 23305	PCC Trolley San Francisco. .	287.00
__ART 23306	PCC Trolley Los Angeles . . .	287.00
__ART 23307	PCC Trolley Toronto	287.00
__ART 23308	PCC Trolley USA Philly	287.00
__ART 23309	PCC Trolley Baltimore.	287.00
__ART 23342	PCC Trolley Pittsburgh	287.00
__ART 2300	PCC Trolley Undec	287.00
<i>(Green Hornet Exclusive) . .</i>		
__ART 41001	40' Gondola Soo Line	76.00
__ART 41008	40' Gondola PRR.	76.00
__ART 41012	40' Gondola SR.	76.00
__ART 41015	40' Gondola B&O.	76.00
__ART 41110	40' Cov.Gondola UP.	82.00
__ART 41112	40' Con.Gondola D&RGW . .	82.00
__ART 7109	Watch Tower BU.	108.00
__ART 11298	Slow Motion Switch Machine	20.00



Parts List • September–October 2011

Item	Description)
PACIFIC PARTS	
P21400-137	... Rh Rear Cross Head Support
P21400-04	... Boiler Hand Rail
P21400-11	... Steam Dome
P21400-137	... Sand Dome
P21400-129	... Crosshead Mount
P21400-130	... Piston Rod
P21400-138	... L.H. Crosshead Mount
P21400-139	... R.H. Cross Head Arm
P21400-140	... L H Cross Head Arm
P21400-17	... Rh Car Entrance Door
P21400-183	... Fly Wheel
P21400-54	... Draw Bar
P21400-136	... Short&Long Arm Screw
P21400-141	... Cross Head Screws
P21400-31	... Pilot Mount Retaining Screw
P21400-50	... Brake Retaining Screw
P21400-51	... Rh Brake Retaining Screw
P21400-55	... Lh Rear Brake
P21400-56	... Draw Bar Washer
P21400-57	... Drawbar Spring
P21400-65	... Forward Piping
P21400-71	... Lh Piping
P21400-81	... Pony Truck Wheels
P21400-96	... Spring
P29132-168	... Worm
P29132-169	... Helical Gear
P21400-68	... Air Pump Retaining
P21400-02	... Boiler Shell
P21400-03	... Cab
P21400-47	... Motor
P21400-164	... Front&Rear Driver Wheels
P21400-165	... Center Drive Wheels
P21400-09	... Handrail Stanchions
P21400-106	... Marker Light Bulbs
P21400-107	... Head Light
P21400-114	... Smoke Pipe Retainer
P21400-115	... Smoke Stack
P21400-12	... Whistle
P21400-133	... Cross Head Upper Side
P21400-134	... Short Arm
P21400-135	... Long Arm
P21400-142	... Cross Head Forward Mount
P21400-151	... Rh Reverse Cam
P21400-152	... Lh Reverse Cam
P21400-163L	... Lh Brake Shoe
P21400-93	... Pilot Pivot
P21400-103	... Smoke Box Door
P21400-104	... Marker Lights
P21400-14	... Bell Harp
P21400-144	... Main Eccentric Crank
P21400-148	... Rh Reverse Mount
P21400-149	... Lh Reverse Mount
P21400-15	... Bell Harp
P21400-22Q	... Cow Catcher

Item	Description)
MALLET PARTS	
P21600-12	... Smoke Box Door
P21600-101	... Drive Box Pivot
P21600-102	... Bolster
P21600-103	... Bolster
P21600-35	... Safety Valve
P21600-39	... Cab Vent
P21600-63	... Cab Lower Support
P21600-64	... Rear Step
P21600-71	... Rh Rear Piping
P21600-166	... Pilot Mallet
P21600-	... Motor W/ Hex
P21600-112	... Drive Axle Flywheel
P21600-37	... Generator
P21600-38	... Lubricator Dry Pipe
P21600-119	... Screw
P21600-120	... Short Main Drive Rod Lh
P21600-121	... Short Main Drive Rod Rod Rh
P21600-43	... Hand Rail Stanchion
P21600-23	... Hand Rail Lh
P21600-14	... Bell Harp
P21600-26	... Front Steam Pipes Rh
P21600-31	... Front Steam Pipes Rh S Lh
P21600-33	... Whistle
P21600-36	... Steam Valve Aux
P21600-72	... Distributer Valve Rh
P21600-04	... Forward Grab Iron Lh
P21600-05	... Forward Grab Iron Rn On Lh
P21600-09	... Rear Grab Iron Rh
P21600-10	... Rear Grab Iron Lh
P21600-13	... Light Bulb
P21600-20	... Short Hand Rail Stanchion
P21600-21	... Long Hand Rail Stanchion
P21600-22	... Hand Rail Right Hand
P21600-13	... Bell
P21600-110	... Front & Rear Wheels
P21600-152	... Front Railing
P21850-28	... 5 Watt 8 Ohm Speaker
P21600-155	... Headlight
P21600-07	... Cab Window Rear
P21600-08	... Cab Sliding Window
P21600-117	... Long Main Drive Rod Lh
P21600-118	... Long Main Drive Rod Rh
P21600-126	... Main Eccentric Crank
P21600-15	... Number Board Lh
P21600-156	... Headlight Lens
P21600-166	... Number Board Rh
P21600-22	... Marker Light Assembly Rh
P21600-23	... Marker Light Assembly Lh

Item	Description)
CONSOLIDATION PARTS	
P20601-12	... R.Cylinder Exhaust
P20601-15	... Smoke Box Front
P20601-17	... Top Door Hinge
P20601-25	... Lh Front Step
P20601-29	... Rh Shaft Lever
P20601-33	... R.Steam Pipe
P20601-37	... Rh Air Tank
P20601-47	... Headlight Lens
P20601-51	... Rh Cab Window
P20601-53	... Marker Light Lens
P20601-65	... Cab Support
P20601-69	... Rear Steam Pipe
P20601-79	... L.Piston Rod
P20601-89	... Head Light
P20601-04	... Rear Cylinder
P20601-06	... Cylinder Exhaust
P20601-08	... Cylinder Support
P20601-16	... Smoke Box Door
P20601-18	... Bottom Door Hinge
P20601-22	... Headlight Platform
P20601-24	... Cylinder Support
P20601-26	... Rh Front Step
P20601-48	... Headlight Side Lens
P20601-62	... Radius Rod
P20601-66	... Draw Bar Mount
P20601-68	... Sun Shade
P20601-80	... Piston Rod
P20601-82	... Generator
P20601-84	... Marker Light
P20601-90	... Pilot Truck Mount
P20601-91	... Pilot Truck Retainer
P20601-101	... Chassis Ornament
P20601-111	... Stanchion
P20601-92	... Pilot
P20601-146	... Fly Wheel
P20601-64	... Pilot Support
P20601-96	... Marker Light Screw
P20601-22	... Tender Wheel B
P20601-05	... Coal Load
P20601-01	... Sunbeam Headlight
P20601-02	... Number Plate Glass
P20601-07	... Sunbear Rear Light
P20601-12	... Tender Ladder
P20601-10	... Tender Step L
P20601-111	... Tender Step R
VANDERBILT TENDER	
P21850-06	... Front Deck And Steps
P21850-11	... Rear Ladder
P21850-14	... Lamp Housing
P21850-15	... Light Lens Van.Tender
P21850-17	... Short Platform
P21850-18	... Waterfill Hatch
P21850-19	... Long Platform



On-Hand List • September 1, 2011 (page 1 of 6)

Item	Description	List (\$US)
ART11000	12" Straight Track (12Pcs)	122.00
ART11001	Euro Track 1/2 Straight (12)	64.00
ART11003	Track Ties 1' Straight Euro	2.00
ART11003b	Track Ties 1' Straight Euro	83.00
ART11004b	Flex Track Ties 1' Euro (48Pcs)	83.00
ART11005	Flex Rail Brass 8' (12)	419.00
ART11031	Bumper w/O Track - Lighted	13.00
ART11060	24" Straight Track (12Pcs)	244.00
ART11070	36" Straight Track (12Pcs)	366.00
ART11098	60" Straight Track (6)	339.00
ART11100	Curve Track 4'Diam. (12Pcs)	122.00
ART11101	Euro Track Curve 1/2	64.00
ART11103	Euro Track Ties Curved	2.00
ART11103b	Track Ties Curved - Euro	83.00
ART11145	31" Diam, Track (4) for Barrel	120.00
ART11200	Switch-Manual Right	53.00
ART11210	Switch-Manual Left	53.00
ART11297	Manual Switch Machine	12.00
ART11298	Switch Machine Rem Slow Motion	23.00
ART11300	30 Degree Crossing	53.00
ART11351	Re-Railer w/I Gap & Diodes	26.00
ART11550	Euro Curve Track 6.5' Brass	223.00
ART11700	Curve Track 9' Diameter Brass	307.00
ART11800	Euro Curve Track 10' Brass	337.00
ART11801	Euro Curve 11.5' Brass	392.00
ART11803	Euro Curve Track 14' Brass	476.00
ART11804	Euro Curve Track 15' Brass	508.00
ART11805	Euro Curved Track 16.5' Brass	551.00
ART11820	Euro Curve Track 20' Brass	681.00
ART11901	Rail Joiners (4-Pack) Plastic	7.00
ART11903	Waterproof Micro Switch (2)	12.00
ART11905	Stationary Rollers (4-Pack)	58.00
ART11906	Track Gauge w/ Level	13.00
ART11910	Socket Head Track Screw	7.00
ART11911	Rail to Tie Screws (50)	8.00
ART11921	Dual Rail Bender	259.00
ART11930	Rail Clamp Brass (10 Pcs)	16.00
ART11930b	Rail Clamp Brass Bulk (100)	132.00
ART11940	Rail Clamp (10) Silver Plated	21.00
ART11940b	Rail Clamp SS Plated Bulk (100)	159.00
ART11950	Wire w/Lug for Joiners (10)	16.00
ART12101	Aluminum Straight 12	48.00
ART12105	Aluminum Rail 8' (12 Pcs)	230.00
ART12111	Aluminum Track 4' Curve	48.00
ART12160	Aluminum Crossing 19.5 Degree	35.00
ART12161	Aluminum Crossing 30 Degree	35.00

Item	Description	List (\$US)
ART12162	Aluminum Crossing 90 Degree	35.00
ART12181	Aluminum Track 10' Curved	144.00
ART12301b	Grid Shelf 15 X 24 Black	18.00
ART12302b	Grid 1/4 Round Curve Black	12.00
ART12304	Wall Bracket 15 Black	10.00
ART12305	Grid S Hook for Door Area	1.00
ART12306	Grid Suspension Hook 10	2.00
ART12307	Grid Suspension Hook 20	3.00
ART12310	Suspension Bar 16 Black	12.00
ART12316	Ceiling Grid Clip	3.00
ART12401	Track Support Flower Tub (6)	9.00
ART20031	USA Str. Track 1/2 S.S.	85.00
ART20035	Stainless Steel Rail 8' (12 Pcs)	551.00
ART20100	SS Curve Track 4'	164.00
ART20110	SS Curve Track 5'	212.00
ART20115	SS Curve Track 8'	323.00
ART20117	SS Curve Track 9'	358.00
ART20120	SS Curve Track 10'	403.00
ART20121	SS Curve Track 11.5'	458.00
ART20124	SS Curve 15' Diam.	593.00
ART20125	SS Curve Track 20' Diam.	820.00
ART20199	SS Rail Joiners (12)	10.00
ART20330	SS #6 Switch Right	242.00
ART20335	SS #6 Parallel Adaptor	53.00
ART20345	SS #6 Wye Switch SS	159.00
ART20350	S.S. Re-Railer	29.00
ART20370	SS Switch Wide Manual Right Us	99.00
ART20375	Siding for 10' Diam. Switch	33.00
ART20380	SS Switch Wide Manual Left USA	99.00
ART20400	SS Crossing 19.5	79.00
ART20410	SS Crossing 90 Degree	60.00
ART20600	2-8-0 Consolidation Undec	891.00
ART20601	2-8-0 Consolidation B&O	891.00
ART20602	2-8-0 Consolidation Wm.	891.00
ART20603	2-8-0 Consolidation ATSF	891.00
ART20604	2-8-0 Consolidation UP	891.00
ART20608	2-8-0 Consolidation NYC	891.00
ART20609	2-8-0 Consolidation USAtc	891.00
ART21311c	0-4-0 Switcher B&O w/Caboose	281.00
ART21327c	0-4-0 Switcher D&RGW w/Caboose	281.00
ART21405	Pacific Sr/So.Railway	725.00
ART21407	Pacific N.Y.C.	725.00
ART21408	Pacific Up/Union Pacific	725.00
ART21409	Pacific Drgw/Rio Grande	725.00
ART21410	Pacific Sp/Southern Pacific	725.00
ART21411	Pacific ATSF/Santa Fe	725.00



On-Hand List • September 1, 2011 (page 2 of 6)

Item	Description	List (\$US)
ART21601	Mallet PRR Vanderbilt Ten.	920.00
ART21602	Mallet ATSF Vanderbilt Ten.	920.00
ART21603	Mallet UP Vanderbilt Ten.	920.00
ART21604	Mallet D&RGW Vanderbilt Ten. B	920.00
ART21605	Mallet C & O Vanderbilt Ten.	920.00
ART21607	Mallet N & W Vanderbilt Ten.	920.00
ART21900	Slope.Tender Undec.(Blk)	138.00
ART22202	RS-3 Up/Union Pacific	397.00
ART22203	RS-3 ATSF/Santa Fe Zebra.	397.00
ART22205	RS-3 Drgw/Rio Grande.	397.00
ART22206	RS-3 Rock Island Rocket	397.00
ART22208	RS-3 Cp/Canadian Pacific	397.00
ART22209	RS-3 So.Railway Grn/Wht.	397.00
ART22211	RS-3 PRR/Pennsylvania-Grn	397.00
ART22213	RS-3 B&O/Baltimore & Ohio	397.00
ART22217cb	RS-3 GMO.	250.00
ART22217cb-1	RS-3 GMO.	150.00
ART22217cb-2	RS-3 GMO.	150.00
ART22240	RS-3 Diesel Nickel Plate Rd.	397.00
ART22245	RS-3 New Haven	397.00
ART22281cb-1	RS-3 Interstate	150.00
ART22281cb-2	RS-3 Interstate	150.00
ART22405	SD-45 Diesel - Union Pacific	552.00
ART22409	SD-45 Diesel - PRR	552.00
ART22707	Egg Liner - Lady Bug	125.00
ART22708c	Egg Liner - Easter Egg.	125.00
ART22711	Egg Liner - ATSF Warbonnet.	125.00
ART22714	Egg Liner - Honey Bee	125.00
ART22715	Egg Liner - Monarch Butterfly	125.00
ART22726	Egg Liner - Christmas Wreath	125.00
ART22727	Egg Liner - Snowflake	125.00
ART22798	Egg Liner Annual 2010	125.00
ART22851	Rdc 3 Great Northern	397.00
ART22853	Rdc 3 B & M.	397.00
ART22854	Rdc 3 C&NW.	397.00
ART22856	Rdc 3 NYC	397.00
ART22858	Rdc 3 LIRR	397.00
ART22859	Rdc 3 New Haven	397.00
ART22861	Rdc 3 Penn-Rdg-Seashore	397.00
ART23601	E-8 PRR	552.00
ART23602	E-8 Sp	552.00
ART23603	E-8 Union Pacific	552.00
ART23614	E-8 Diesel EL	552.00
ART23615	E-8 Diesel Erie	552.00
ART29098	Frt.Truck w/Metal Wheels&Bb	76.00
ART29099	Modern Freight Trucks w/Pl Whl	30.00
ART29101	Truck-Freight Plastic Wheels	32.00

Item	Description	List (\$US)
ART29102	Truck-Caboose Metal Wheels	67.00
ART29104	Plastic Wheels (2 Wheel Sets).	13.00
ART29105	Rogers Loco Metal Sml.Whl.Set	21.00
ART29106a	Rogers Front Drive Wheels	28.00
ART29106b	Rogers Back Drive Wheels	28.00
ART29107	Truck-Psgr(Wood)Metal Wheels	67.00
ART29108	Truck-Long Tender (Pair)	67.00
ART29109	Truck-Hwt.Psgr.(Pair)	67.00
ART29110	Truck-Hwt.Psgr.6 Metal Wheels	85.00
ART29111b	Metal Wheels - Black 4 Axles	38.00
ART29111bb	Metal Wheels - 12 Packs	335.00
ART29111d	Mtl Whls - Blk 4 Axle w/O Hub	38.00
ART29111s	Metal Wheels Silver 4 -Axle.	38.00
ART29113	Springs-Passenger Truck	9.00
ART29114	Springs-Diesel Truck	9.00
ART29115	Truck-Slope Tender (Pair)	67.00
ART29117	Truck-Psgr. Strmln.	94.00
ART29118p	Diesel Bushing (Previous)	13.00
ART29119s	Springs Streamline Silver	10.00
ART29120	Truck-Delton to Aristo (Pr)	10.00
ART29123b	Ball Bearing Wheels 2 Axles Bl	71.00
ART29130	Metal Wheel Replacement	20.00
ART29131	Metal Diesel Wheel w/Tire	21.00
ART29132b	Inner Gear Box w/o Wheels	17.00
ART29134	Commonwealth 6 Axle Truck Pr	110.00
ART29138	SS Wheels for 3-Axle Trucks(4)	76.00
ART29139	SS Wheels for 2-Axle Trucks(4)	55.00
ART29140	Ball Bearings for Modern Frt.	23.00
ART29196	Coupler-Knuckle (1 Pair) E-8.	16.00
ART29197	Coupler-Knuckle (1 Pair) Dash 9	14.00
ART29198	Knuckle Coupler (50 Pr.S)	552.00
ART29199	Knuckle Coupler (6Pr.)	74.00
ART29200	Coupler-Knuckle (1 Pair).	16.00
ART29201	Coupler RS-3/Lil' Critter.	20.00
ART29203	Hook & Loop Coupler 6 Pr.	35.00
ART29205	Coupler- Knuckle (Pr) SD-45	16.00
ART29206	Knuckle Coupler Fa (2) New	17.00
ART29300	Smoke Stack(Operating)	28.00
ART29301	Smoke Stack (Opg)Stv/Psgr.Cab.	32.00
ART29302	Smoke Stack (Opg) Rogers Loco	28.00
ART29304	Smoke Stac k(Opg) Psgr. Wood	28.00
ART29306	Smoke Unit-Steam Loco 0-4-0	32.00
ART29309	Smoke Unit-Loco RS-3.	32.00
ART29311	Smoke Unit SD-45.	67.00
ART29313	Smoke Unit Parts	10.00
ART29350	Gp-40 Motor Block	86.00
ART29351	Power Trk Ge U25-B/Fa/Fb/Rs.	85.00



On-Hand List • September 1, 2011 (page 3 of 6)

Item	Description	List (\$US)
ART 29352	Universal for Pacific 6 Pack	28.00
ART 29353	Universal Assembly for FA-1	10.00
ART 29354	Axle w/ Gear for FA-1	7.00
ART 29358	Motor Block-Railbus w/A-Frame	102.00
ART 29360	Motor for 0-4-0	26.00
ART 29363	Pacific Gear Box w/Whls	185.00
ART 29400	Gear Box & Motor 2-4-2 Rogers	47.00
ART 29402	Brush & Spring Set w/Holder 4	13.00
ART 29403	Assorted Screw Set	10.00
ART 29404	Rubber Tires 2-4-2 Rogers	10.00
ART 29405	Rubber Tires - Diesel	7.00
ART 29406	"Brush, Spring & Bushing (8) Diesel"	13.00
ART 29411	Ball Bearing Set (10) for Std.	23.00
ART 29500	Marker Light Long/Bay-Cab	9.00
ART 29501	Marker Lights 2-4-2 Rogers	9.00
ART 29502	Bulb/Long Cab./Sierra (10Pc)	20.00
ART 29503	Bulb & Socket Set w/Wire	13.00
ART 29507	Bulb/Hvywt/Strmlne (2Pc)	9.00
ART 29508	RS-3 Marker Lights (Pr)	13.00
ART 29511	Plug for Power To Tender	13.00
ART 29512	Ditch Lights (2)	20.00
ART 29515	Weights for the SD-45	48.00
ART 29518	Wires w/Female Plug L+230mm	2.00
ART 29519	Plug Male L=200 mm	2.00
ART 29600	Track To Pack.Conn.Wire	7.00
ART 29603	Aristo-Lube Oil 1.125 Oz.	6.00
ART 29605	10 Amp Fuse for Train Eng.	7.00
ART 29607	Mu Cable	10.00
ART 29608	Wires With Plugs for Sound Ins.	7.00
ART 29700	Chair Kit-L(6Pcs)Long Caboose	13.00
ART 29703	Double Chair Set (4)	10.00
ART 29704	New Roof Walk for Frt Car	13.00
ART 29706	Lowered Floor for Rolling Stok	20.00
ART 29708	Long Caboose Roof Walk/New	20.00
ART 30033	Track Ties 1' Straight - USA	2.00
ART 30033b	Track Ties 1' Straight - USA	83.00
ART 30090	USA 3' Straight Track	366.00
ART 30100	USA Curve Track 4' (12 Circle)	122.00
ART 30101	USA Curve Track 1/2 Section.	64.00
ART 30103	Track Ties Curved - USA	2.00
ART 30116	USA Curve Track 9'	307.00
ART 30121	USA Curve 11.5'	392.00
ART 30122	USA Curve 12.5'	423.00
ART 30123	USA Curve 14' Diam	476.00
ART 30125	USA Curve 20' Diam	681.00
ART 30130	USA Curve 16.5' Diam	541.00
ART 30300	USA Switch Manual Right	53.00

Item	Description	List (\$US)
ART 30310	USA Switch Remote Right	67.00
ART 30335	#6 Parallel Adaptor	45.00
ART 30345	#6 Wye Switch Brass US	139.00
ART 30350	USA Switch Manual Left	53.00
ART 30360	USA Switch Remote Left	67.00
ART 30370	Switch Wide Manual Right	86.00
ART 30380	Switch Wide Manual Left	86.00
ART 30400	Crossing 19.5	79.00
ART 30410	Crossing 90 Degree	53.00
ART 40001	Gondola 20' - PRR	53.00
ART 40002	Gondola 20' - A.T.S.F.	53.00
ART 40005	Gondola 20' - B & O	53.00
ART 40101	20' Tank Car - PRR	53.00
ART 40103	20' Tank Car - Up	53.00
ART 40105	20' Tank Car - B&O	53.00
ART 40201	20' Flat Car - PRR	53.00
ART 40205	20' Flat Car - B&O	53.00
ART 40225	20' Flat Car - Christmas	53.00
ART 40301	20' Box Car - PRR	53.00
ART 40305	20' Box Car - B&O	53.00
ART 40311	20' Box Car - D&RGW	53.00
ART 40325	20' Box Car - Christmas	53.00
ART 41001	Gondola Soo/Colormark	87.00
ART 41008	Gondola PRR/Pennsylvania	87.00
ART 41012	Gondola Sr/Southern Railway	87.00
ART 41015	Gondola Baltimore & Ohio	87.00
ART 41026	Gondola Wisconsin Cen.	87.00
ART 41027	Gondola Norfolk So.	87.00
ART 41028	Gondola CSX (B&O)	87.00
ART 41029	Gondola Conrail Quality	87.00
ART 41030	Gondola Erie Lackawanna	87.00
ART 41102	Cov.Gondola New York Central	94.00
ART 41103	Cov.Gondola Pitt/Lake Erie	94.00
ART 41109	Cov.Gondola ATSF	94.00
ART 41110	Cov.Gondola Up	94.00
ART 41112	Cov.Gondola Denver Rio Grande	94.00
ART 41201	Cov.Hopper Nickel Plate Road	114.00
ART 41207	Cov.Hopper Boraxo	114.00
ART 41208	Cov.Hopper Union Pacific	114.00
ART 41210	Cov.Hopper Farm.Co-Op (Pink)	114.00
ART 41211	Cov.Hopper Rio Grande	114.00
ART 41215	Cov.Hopper PRR/Pennsylvania	114.00
ART 41216	Cov.Hopper RDG/Reading	114.00
ART 41218	Cov.Hopper Burlington No.	114.00
ART 41220	Cov.Hopper C&NW	114.00
ART 41224	Cov.Hopper ATSF Sm. Herald Brn.	114.00
ART 41225	Cov.Hopper L&NE Fried Egg	114.00



On-Hand List • September 1, 2011 (page 4 of 6)

Item	Description	List (\$US)	Item	Description	List (\$US)
ART41229	.Cov.Hopper New Haven Brown	114.00	ART42211	.Bobber Caboose ATSF/Santa Fe	53.00
ART41230	.Cov.Hopper Frisco Black	114.00	ART45101	.40' Dbl.Door Boxcar ATSF	104.00
ART41304	.S.Dome-Tank Union Oil.	94.00	ART45102	.40' Dbl.Door Boxcar Up.	104.00
ART41308	.S.Dome-Tank Up/Union Pacific	94.00	ART45103	.40' Dbl.Door Boxcar Cotton Blt	104.00
ART41335	.S.Dome-Tank Gatx.	94.00	ART45105	.40' Dbl.Door Boxcar NYC	104.00
ART41336	.S.Dome-Tank Ultx	94.00	ART45106	.40' Dbl.Door Boxcar PRR.	104.00
ART41337	.S.Dome-Tank General Molasses	94.00	ART45107	.40' Dbl.Door Boxcar C&NW	104.00
ART41338	.S.Dome-Tank Stauffer Chem.	94.00	ART45108	.40' Dbl.Door Boxcar GN	104.00
ART41339	.S.Dome-Tank Corn Industrial.	94.00	ART45112	.40' Dbl.Door Boxcar Milw.	104.00
ART41401p	.Coal Hopper Chessie w/Plasti	113.00	ART45113	.40' Dbl.Door Boxcar So.Pac,"	104.00
ART41404p	.Coal Hopper D&RGW.	113.00	ART45114	.40' Dbl.Door Boxcar Cb & Q	104.00
ART41406p	.Coal Hopper UP w/Plastic Whl	113.00	ART46000	.Box Car(Steel)Ptd w/Data	104.00
ART41407p	.Coal Hopper Norfolk So.	113.00	ART46003	.Box Car(Steel)ATSF/Santa Fe	104.00
ART41408p	.Coal Hopper Burlington No.	113.00	ART46004	.Box Car(Steel)PRR/Penna.	104.00
ART41409p	.Coal Hopper Conrail	113.00	ART46008	.Box Car(Steel)B&O/Sentinel	104.00
ART41611	.3 Dome-Tank Marvel Oil	86.00	ART46010	.Box Car(Steel)Up/Union Pac.	104.00
ART41800ra	.2 Bay Coal Hopper Undec Red	92.00	ART46069	.Box Car (Steel)Soo Line.	104.00
ART41801e	.2 Bay Coal Hopper PRR	92.00	ART46071	.Box Car (Steel)Chessie Cat	104.00
ART41801f	.2 Bay Coal Hopper PRR	92.00	ART46103	.Stock Car Up/Union Pacific	104.00
ART41802b	.2 Bay Coal Hopper ATSF.	92.00	ART46106	.Stock Car ATSF/Santa Fe	104.00
ART41802c	.2 Bay Coal Hopper ATSF.	92.00	ART46108	.Stock Car GN/Great Northern	104.00
ART41802d	.2 Bay Coal Hopper ATSF.	92.00	ART46111	.Stock Car M-K-T/Katy	104.00
ART41802e	.2 Bay Coal Hopper ATSF.	92.00	ART46117	.Stock Car B&O/Baltimore&Ohio	104.00
ART41802f	.2 Bay Coal Hopper ATSF.	92.00	ART46305t	.Flat Car-Stake PRR (2)	123.00
ART41803e	.2 Bay Coal Hopper UP	92.00	ART46308t	.Flat Car-Stake B&O (2).	123.00
ART41803f	.2 Bay Coal Hopper UP	92.00	ART46309t	.Flat Car-Stake D&RGW (2)	123.00
ART41804e	.2 Bay Coal Hopper D&RGW.	92.00	ART46313t	.Flat Car-Stake UP (2)	123.00
ART41804f	.2 Bay Coal Hopper D&RGW.	92.00	ART46320t	.Flat Car-Stake ATSF (2)	123.00
ART41808e	.2 Bay Coal Hopper GN	92.00	ART46362	.Searchlight Up/Union Pacific	156.00
ART41808f	.2 Bay Coal Hopper GN	92.00	ART46701	.Snow Plow - D&RGW	193.00
ART41809a	.2 Bay Coal Hopper B & M.	92.00	ART46702	.Snow Plow - C & S.	193.00
ART41809b	.2 Bay Coal Hopper B & M.	92.00	ART46703	.Snow Plow - CNW	193.00
ART41809c	.2 Bay Coal Hopper B & M.	92.00	ART46706	.Snow Plow - PRR.	193.00
ART41809d	.2 Bay Coal Hopper B & M.	92.00	ART46707	.Snow Plow - NYC.	193.00
ART41811a	.2 Bay Coal Hopper C & Nw.	92.00	ART46709	.Snow Plow - CN.	193.00
ART41811b	.2 Bay Coal Hopper C & Nw.	92.00	ART46950	.Track Cleaning Car - Aristo.	97.00
ART41812a	.2 Bay Coal Hopper NYC	92.00	ART46951	.Track Cleaning Car - PRR	97.00
ART41812b	.2 Bay Coal Hopper NYC	92.00	ART46952	.Track Cleaning Car - B & O.	97.00
ART41812c	.2 Bay Coal Hopper NYC	92.00	ART46953	.Track Cleaning Car - Up	97.00
ART41812d	.2 Bay Coal Hopper NYC	92.00	ART46954	.Track Cleaning Car - ATSF	97.00
ART41817a	.2 Bay Coal Hopper D & H	92.00	ART46955	.Track Cleaning Car - SR.	97.00
ART41817b	.2 Bay Coal Hopper D & H	92.00	ART50001p	.53' Evans Box Car Purina.	110.00
ART41817c	.2 Bay Coal Hopper D & H	92.00	ART50003p	.53' Evans Box Cars CSX	110.00
ART41817d	.2 Bay Coal Hopper D & H	92.00	ART50015p	.53' Evans Box Car - Railbox	110.00
ART42200	.Bobber Caboose Undec (Red)	53.00	ART50017p	.53' Evans Box Car Golden West	110.00
ART42208	.Bobber Caboose Up/Union Pac	53.00	ART50023p	.53' Evans Box Car Weyerhouser.	110.00
ART42210	.Bobber Caboose Drgw/Rio Grand.	53.00	ART50024p	.53' Evans Box Car GTW.	110.00



On-Hand List • September 1, 2011 (page 5 of 6)

Item	Description	List (\$US)
ART50028p	.53' Evans Box Car BNSF Circle	110.00
ART50029p	.53' Evans Box Car PRR Cushion	110.00
ART50030p	.53' Evans Box Car SP Hydro	110.00
ART60001	.Seated Train Engineer	10.00
ART60002	.Train Conductor	10.00
ART60003	.Train Brakeman	10.00
ART60004	.Man In Suit	10.00
ART60005	.Woman With Hat	10.00
ART60006	.Man With Satchel	10.00
ART60007	.Man In Shirt	10.00
ART60008	.Porter In White Jacket	10.00
ART60009	.Dining Car Waiter	10.00
ART60010	.Soldier w/Duffle Bag	14.00
ART60011	.Woman Conductor	10.00
ART60012	.Seated Passenger Male w/Stick	14.00
ART60013	.Seated Passenger Female	10.00
ART60015	.Station Master	10.00
ART60017	.Shepherd w/Cape And Dog	10.00
ART60018	.Conductor With Lantern	10.00
ART60019	.Seated Man w/Cigar	10.00
ART60020	.Seated Child/Girl	10.00
ART60025	.Seated Santa Engineer	10.00
ART60027	.Hobo w/Pole And Bag	14.00
ART60028	.Hobo Seated on Tree Stump	14.00
ART60029	.Hobo - Fat King of the Road	14.00
ART60030	.USA Fireman	10.00
ART60031	.Policeman	10.00
ART60032	.State Trooper	10.00
ART60034	.Texas Ranger	10.00
ART60035	.Farmer In Coveralls	10.00
ART60036	.Lumberjack	10.00
ART60037	.West Point Cadet-Male	10.00
ART60039	.Us Army Marine - Male	10.00
ART60040	.Us Army Soldier-Female	10.00
ART60041	.Us Navy Sailor-Male	10.00
ART60042	.Woman with Baby	10.00
ART60043	.Bride	10.00
ART60044	.Groom	10.00
ART60045	.Clown #1	10.00
ART60046	.Clown #2	10.00
ART60047	.Clown #3	14.00
ART60048	.Clown #4	14.00
ART60049	.Clown #5	14.00
ART60050	.Ice Skater-Male	14.00
ART60051	.Ice Skater-Female	14.00
ART60052	.Ice Skater Man w/Scarf	14.00
ART60054	.Ice Skater-Female w/Scarf	14.00

Item	Description	List (\$US)
ART60055	.Ice Skater-Male Racer	14.00
ART60056	.Hobo Catching Goose	10.00
ART60057	.Hobo Fat Queen of the Road	13.00
ART60058	.Hobo w/Pole Reclining	14.00
ART60059	.U.S. Airforce Officer w/Bag	14.00
ART60060	.Male Sportsman w/Golf Clubs	14.00
ART60061	.Male Sportsman w/Tennis	10.00
ART60062	.Female w/Tennis Dress	10.00
ART60063	.Female w/Baby	14.00
ART60065	.Seated Male Asleep	10.00
ART60066	.Seated Female Sewing	10.00
ART60067	.Seated Female w/Baby	14.00
ART60068	.Track Worker w/Pick	14.00
ART60069	.Track Worker w/Sledge Hammer	14.00
ART60070	.Worker w/Wheel Barrel	14.00
ART60071	.Photographer w/Camera	14.00
ART60073	.Cowboy w/Saddle	14.00
ART60075	.Man Fishing	14.00
ART60076	.Workman w/ Jack Hammer	14.00
ART60077	.Workman for Compressor	14.00
ART60077b	.Compressor	14.00
ART60078	.Man Shoveling	10.00
ART60079	.Man Sweeping	10.00
ART60080	.Woman Worker w/Wrench	10.00
ART60081	.Woman Worker w/Shovel	10.00
ART60082	.Figure - Seated - Selma	10.00
ART60083	.Figure - Seated - Student	10.00
ART60084	.Figure - Seated Eating	10.00
ART60085	.Figure - Seated - Young Woman	10.00
ART60086	.Figure - Seated Child w/Rr	10.00
ART60088	.Figure - Seated w/Binoculars	10.00
ART60089	.Figure - Seated - Linda	10.00
ART60090	.Figure - Seated - Shirley	10.00
ART60091	.Figure - Seated - Terry	10.00
ART60092	.Figure-Seated-Maryann w/Hat	10.00
ART60094	.Figure - Seated - Kathryn	10.00
ART60197	.Turntable for Figures	28.00
ART60405	.Scrap Load for Gondola	25.00
ART62005	.Military Travelers Set	53.00
ART62009	.Sporting People Set	47.00
ART62010	.Public Safety Uniformed Set	47.00
ART62011	.Construction Workers Set	47.00
ART7100	.Victorian Station Built-Up	185.00
ART7101	.Covered Bridge	85.00
ART7103	.Water Tower	173.00
ART7104	.Over & Under Trestle Set	54.00
ART7105	.Covered Waiting Platform	69.00



On-Hand List • September 1, 2011 (page 6 of 6)

Item	Description	List (\$US)
ART 7107	Victorian Barn	201.00
ART 7109	Watch Tower w/Oper.Lt & Smoke	124.00
ART 7114	Transmission Towers (Pair)	55.00
ART 7200	The Passenger Depot - Built-Up	97.00
ART 7201	The Freight Depot - Built-Up	97.00
ART 7202	The Crossing Shanty - Built-Up	62.00
ART 7206	Church	173.00
ART 7401	Foam Portal	28.00
ART 7402	Double Portal	55.00
ART 7403	Wings for Foam Portals	104.00
ART 7404	Foam Viaduct	90.00
ART 7405	Foam Viaduct Piers (2)	55.00
ART 84196	Live Steam Butane Filler Val	30.00
ART 84198	Cd Video of Live Steam	9.00
ART 84199	Steam Oil 1 Qt.	18.00
ART 90010	How Model Trains Are Made DVD	20.00
CRE 0005	Grain of Wheat 4 Asst Colors	59.00
CRE 00072	Micro Switch	2.00
CRE 00073	Micro Switch w/Lever 10 Pcs	16.00
CRE 0010	Grain of Rice Bulbs Clear (40)	59.00
CRE 0011	Grain of Rice 10Ea. Crga (40)	59.00
CRE 29429	Track Magnet (6)	5.00
CRE 29431	Reed Switches (2)	8.00
CRE 29434	Dallee Dig.Sound Mallet	120.00
CRE 29435	Dallee Dig.Sound E-8	120.00
CRE 29436	Dallee Dig.Sound Rdc	120.00
CRE 29438	Dallee Dig. Sound RS-3	120.00
CRE 29439	Dallee Dig. Sound FA-1	120.00
CRE 29441	Dallee Dig. Sound Pacific	120.00
CRE 29442	Dallee Dig.Sound Consolidation	120.00
CRE 29445	Dallee Dig.Sound SD-45	120.00
CRE 29448	Dallee Dig.Sound Sm. Steamer	120.00
CRE 29450	Dallee Dig.Sound Gp-40	120.00
CRE 29601	Smoke Fluid 4 Oz.	6.00
CRE 29603	Lube - Oil 1.125 Oz.	7.00
CRE 29606	Conductive Grease 4 Oz.	17.00
CRE 29608	TE Output Glass Fuse (5)	5.00
CRE 55005	Antenna - Metal Telescoping	8.00
CRE 55400	Power Pack 1.8 Amp w/Chip	81.00

Item	Description	List (\$US)
CRE 55401	Controller	97.00
CRE 55452	Track To Pack Connector Heavy	10.00
CRE 55466	Jewel 5 Amp Regulated Supply	133.00
CRE 55467	15 Amp Controller Only	201.00
CRE 55468	Everest Power Supply 15A 24V	242.00
CRE 55474	DC/RC Wireless Access Switch	102.00
CRE 55475	DC/RC 5 Switch Rx	110.00
CRE 55492	Onboard Rx Plus Tx	393.00
CRE 55498	On-Board Cooling Fan	30.00
CRE 55499	Fan for 55471 Above 5 Amps	30.00
CRE 55611	Y Plug for Battery Parallel	9.00
CRE 55612	Battery Box 6 AA for Rem.Sw.	9.00
CRE 55613	Y Plug for Battery Series	9.00
CRE 55620r	Li-On Bat. Charger w/Auto Cut	60.00
CRE 55621	Adaptor Plug for Li-On Bat Chg	5.00
CRE 55622	Plug Adaptor for 55620 for Eur	5.00
CRE 55650	Battery Nmh 12V 28 M.A.	89.00
CRE 55651	Battery Nic_d 12V 1500 M.A.	43.00
CRE 55660	Charger for Nicad&Nmh.	40.00
CRE 55663	Battery Chgr. for 55653 Auto.	40.00
CRE 57002	Train Eng. 2.4 Ghz Rx	133.00
CRE 57005	Train Eng 2.4 Ghz Base/ Super	230.00
CRE 57005b	Train Eng 2.4 Base/Super Rx 6	1150.00
CRE 57072	G Smoke Board 6 Pack	115.00
CRE 57073	Smoke Board	26.00
CRE 57074	RCC Remote Switch Device	133.00
CRE 57074b	RCC Remote Switch Device (6)	661.00
CRE 57076	Capacitor Board for G	29.00
CRE 57078	Non Plug N' Play Board Ac	35.00
CRE 57079	Bridge Rectifier Board	6.00
CRE 57088	.6 Pin Accessory Plug	7.00
CRE 57089	Ext. Button Cord	7.00
CRE 57090	Train Eng. Pwc To Linear	29.00
CREfa130	Cermag Motors	3.00
CREre140	Cermag Motor	3.00
CREre260	Cermag Motor	4.00
CREre280	Cermag Motor	4.00
CRErs540	Cermag Motor	18.00