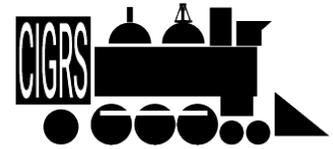




## 2023 Midwest Garden Railroad "GATHER- ING"



### Workshop Topics, Locations and Times:

#### 1. Selection & Placement of Miniature Plants and Shrubs

Presenters: Jim and Marilyn Magnuson **Friday, June 23 2:00p - 3:00p**  
Location: Doggett's 8163 NE 110th Ave.  
Bondurant, IA 50035

Railroading in your garden ties together two great loves: Trains and Gardening! In our case, Marilyn is the designer/gardener and Jim does the railroad design and implementation. Jim and Marilyn moved to Wisconsin six years ago. Prior to their move, they lived in central Iowa and participated in CIGRS summer garden railroad Tours. CIGRS was a great resource for them as they developed their garden layout near Sully. When they moved, they picked it all up and relocated everything to their new home in Wisconsin.

Marilyn's background is in Landscape Architecture. She has a Bachelors and Masters Degrees in Landscape Architecture with many years experience of designing private and public landscapes. Marilyn also taught Garden Design and Construction at Iowa State University. Jim was the CEO of Key Cooperative and worked with real trains as part of his job. He grew up watching the Union Pacific trains running through Lexington, NE.

Working at the "G" scale level really lets the gardener develop spaces using plant and hardscape materials. Marilyn will discuss developing themes, using plants to create spaces and using hardscape material to connect spaces or define various areas of your layout. Jim will share how they developed an irrigation system in their layout.

Please feel free to bring design drawings or photographs of your layout plan. We will try and answer any questions regarding your design.

#### 2. Beginner Elements of 3D Printing

Presenter: Dennis Rayon **Friday, June 23 4:00p to 5:00p**  
Location: Doggett's 8163 NE 110th Ave.  
Bondurant, IA 50035

I have been a G and On30 modeler for over 15 years with many years of experience in all facets of modeling. Structures would be my favorite category to build. I have given several clinics at different national conventions and have won several awards. Most are structures using Magic Sculpt.

My latest addition to the hobby is a 14 ft. trailer that I built with friend Tom DeGreere. It was at the Nashville National Convention. Go to D&R Railroad on Facebook to view photos and videos. 3D printing was used to make detail parts for the trailer. Detail parts

such as people figures, tools in the machine shop, and baked goods were created. I will bring over 100 detail 3D printed parts to show as samples and display both a filament and resin printer. I am self-taught in the area of 3D printing and hope to share my experiences and gained knowledge. I can also share and assist you in the area of 3D CAD SketchUp.

This class is the introduction to a Drawing Repair Program and a Filament Slicing Program. I will show you how to scale your part to the desired size. Prepare your part to be sliced at certain settings and why.

### 3. Vision, Design, and Creation of a Diorama

Presenter: Ron Huntimer

Friday, June 23 2:00p to 3:00p

Location : Huntimer's 1318 SW 3rd St.  
Ankeny, IA 50023

Ron and Kay Huntimer have lived at their present home since 1986. Both are very much in love with each other, gardens, and love the outdoors. Over the years they have taken a corner lot with a few trees and a couple of shrubs and created their own Outdoor Paradise. Its look, shape and style has been changed, added to, or deleted. They began by attending local garden Tours, have been to countless botanical gardens, and arboretums across the country. Not only to enjoy the gardens, but to get ideas for creating their own garden paradise. This led Ron to design and develop these ideas into their gardens. However, after going to their first garden railroad tour, Ron knew that a garden railroad would join the many other aspects of their garden. Each Tour and visit we take to a garden helps us visualize (VISION) an idea. We always leave with and take ideas home (DESIGN). With Vision and Design at hand the (CREATION of a DIORAMA) to put on our layout can begin. Ron's background began as a young modeler. Upon reaching retirement as a Registered Nurse and EMT/FF, Ron ventured into gardening and became a G scale modeler. Ron is a Master Gardener, Master conservationist, Certified Rainscaper, and Rainwater Harvesting Technician. As a modeler, Ron has built many award-winning models and dioramas. He loves blending garden and railroad together. Well, so can you!

During his presentation he will show you photographs taken on Tours that reflect the ideas he wanted to include in his layout. In his workshop he use one of those photographs and show you the items and techniques that he uses to build a diorama. Then he will take that diorama out to the layout and show you how he incorporates it into his layout. His method will help you take it back off the layout and bring it in for the winter, do repairs, or even finish building it or modifying it. It also gives you the advantage to change it up and/or replace with a different diorama or point of interest. Ron is always looking for new ideas. Come and enjoy the fun. His layout was started in 2010 and has changed many times.

#### 4. All Things Digital for “G” Scale Railroading

Presenter: Mark Herzog and Andrew Folkers **Friday, June 23 2:00p to 3:00p**

Location: Merle Hay Mall CIGRS Modular Layout Suite 1255

3800 Merle Hay Road

Des Moines, IA 50310

Turn West on Douglas Ave., turn into South parking lot near IHOP

Questions and Answers during Our DCC / Dead Rail Round Table Discussion, it Includes AirWire, RailPro, and conventional DCC applications.

#### 5. Structures and Materials

Presenter: John Carl **Saturday, June 24 2:00p to 3:00p**

Location: Kidman's 5220 NW 8th St., Ankeny, IA 50023

John will talk about appropriate materials for weather proof garden railroad buildings and perhaps introduce you to a couple of materials you may not know about. Discussion of design thoughts, pros and cons of various glues, paints and tools. Thoughts about building placement, protection and servicing. Information to be handed out includes: scale conversions and sources for building materials. This workshop should appeal to all levels of skill from the novice to the advanced modeler.

#### 6. Custom Design and Construction of Large “G” Scale Railroad Turnouts

Presenter: Howard Hoy **Saturday, June 24 2:00p to 3:00p**

Location: Doggett's 8163 NE 110th Ave.

Bondurant, IA 50035

“Turnout building from scratch: Tools, Techniques and Materials described by a veteran switch builder Howard Hoy”

Learn how easy it is to build your own switches!

#### 7. Advanced Elements of 3D Printing

Presenter: Dennis Rayon **Saturday, June 24 4:00p to 5:00p**

Location: Doggett's 8163 NE 110th Ave.

Bondurant, IA 50035

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This class will introduce you to Resin Printing. I will explain the difference between filament and resin printing and provide examples.