

**FREE!**  
pullout plans

Enter our photo contest! • Basic garden-railroading terms

# Garden Railways

JUNE 2001

\$4.95

Canada \$6.95

U.K. £2.95

## The WR Railroad

A scenic line built on a budget

Buyer's  
guide to  
track

Scratchbuild  
a windmill

[gardenrailways.com](http://gardenrailways.com)



**PLUS!**

Tips for successful plantings

CMC 64696



# Garden Railways

Volume 18, Number 3

June 2001

## FEATURES

- 54 The track game**  
Sorting it all out—a buyer's guide  
*by Richard Schafer and Marc Horovitz*
- 62 A life of its own**  
A report on the 2001 International Small Scale Steamup  
*by Marc Horovitz*
- 64 Scratchbuild a windmill**  
Part 1: the tower and fan jig  
*by Ken Estes*
- 70 COVER STORY: The WR Railroad**  
A scenic line built on a budget  
*by Connie Banko*
- 78 Part 4 of a series: Radio control and battery power**  
Antennae: Keeping the signal strong  
*by Terry Shellenberger*
- 82 The Lake City & Northerly Railroad**  
A garden railroad you can build  
*by Richard Schafer*
- 84 The R&R Friendship Line**  
This unique European line features lots of action  
*by Bob and Jean Holz*
- 90 From Pennsylvania to pure fantasy**  
The creation of three 1:32 locomotives  
*by James M. Elliott*
- 92 An engineer's perspective**  
Ride your railway with a camcorder gondola  
*by Vincent Hoffmann*
- 102 Garden railway design & construction**  
Miniature landscaping with natural materials: part 3—small rock and gravel  
*by Jack Verducci*

**COVER:** The Pennsylvania Pacific exits the Lehigh Tunnel on Dick and Connie Banko's WR Railroad. For the story, see page 70.

**RIGHT:** A cross-country freight train crosses the hilly Pennsylvania terrain on the WR Railroad.

## DEPARTMENTS

- 6 From the Editor**  
Notes from Marc
- 10 Notes & news**  
What's new for the garden railroader
- 18 Letters**  
Views from our readers
- 26 Questions & Answers**  
We respond to your hobby questions
- 32 Looking back**  
A glance into the history of garden railways
- 41 Pathways**  
Planning and planting—a healthy start
- 45 Plant portraits**  
Snowstorm bacopa and dwarf nest spruce
- 106 Scenic root**  
Dwarf hostas
- 110 Scribblings on a workshop wall**  
Still in search of realism
- 114 Breaking ground**  
Basic garden-railroading terms
- 118 Online station**  
A large-scale guide to the Internet
- 120 Events**  
Upcoming shows and exhibits
- 122 Club directory**  
Garden railroading around the world
- 126 Product reviews**  
LGB's rack locomotive, Aster's live-steam *Lion*, and more
- 146 End of the line**  
Big power down under
- PLUS: Pullout drawings**  
Insert: Plan #50  
Build a 1:20.3 scale one-cord ore car

Enter our photo contest  
page 13

