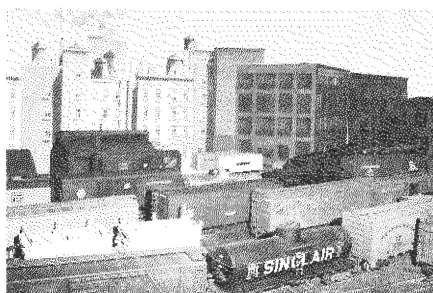


## PUZZLE #7 — 24TH STREET YARD

Compared to the North Yard at Utah Junction (see Puzzle #6), the Denver Midland's 24th Street Yard isn't much fun to work at; the tracks are cramped, and the yard office is a run-down, ramshackle one-room building (Management is, however, seriously considering the installation of indoor plumbing in the near future). Only a few trains that run south out of Denver are made up at 24th Street.



Besides all that, the day-trick yardmaster at 24th Street is better at yelling at switchmen than at keeping records. This morning, he informed you that five lots of material had arrived at the yard, and had already been sent over to the Colorado Fuel & Iron Company via the south side turn. He handed you four crumpled slips of paper—the waybills seem to be missing—and told you, in your capacity as yard clerk, to reconstruct the information on the shipments. Using what's in these notes and some other information, can you determine, for each shipment: the originating railroad, where the shipment came from, what it was, and how much it weighed?

*Edgewood  
4 carloads*

*U.P.R.R.  
coal*

*sand  
150 tons*

*Groveton  
scrap iron*

1. One of the switchmen remembers seeing some cars that came from the Rock Island RR. via Horton, Kansas, in the train that went to the CF&I plant, and he's sure that the yardmaster didn't write them down on any of the four slips. He also saw some Santa Fe R.R. cars, but he doesn't know which slip refers to them (except, of course, that it isn't the one that says "U.P.R.R.").
2. The yard received a total of 1000 tons of material for the CF&I plant this morning; the material arrived in five shipments. Each shipment was of a different material, arrived over a different railroad from a different originating city, and was in a different number of cars (each car carried exactly 50 tons).
3. The guy operating the track scales says that the delivery from the CB&Q R.R. weighed twice as much as the material that arrived from Ithaca.
4. He also recalls that the shipment from Julesburg weighed as much as the coke and the Missouri Pacific R.R. shipment together.
5. And, he noted that the steel rods weighed twice as much as the Rock Island R.R. shipment.

**DENVER MIDLAND RAILWAY COMPANY  
COLORADO FUEL & IRON CO. DELIVERIES — JULY 17, 1950**

|   | Originating R.R. | Originating Station | Material | Quantity<br>(cars or tons) |
|---|------------------|---------------------|----------|----------------------------|
| 1 |                  |                     |          |                            |
| 2 |                  |                     |          |                            |
| 3 |                  |                     |          |                            |
| 4 |                  |                     |          |                            |
| 5 |                  |                     |          |                            |