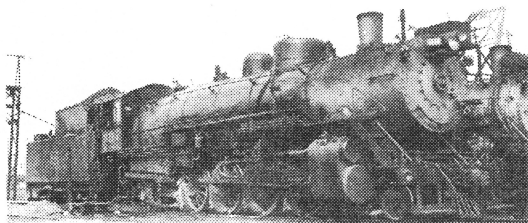


PUZZLE #9 — EXTRA FREIGHTS

July 2001



Business has been good on the Denver Midland: besides all the passenger excursions last month (see puzzle #8), today the trainmaster had the dispatcher send out five extra freight trains in addition to the ones on the time-table. The callboy, after checking the extra board, rounded up five train crews, including five engineers (one of whom is Andy Cameron) and five conductors, to handle the trains, each of which had a different consist —one was a solid

train of pulpwood flat cars. Determine, from the information below, the names of the five engineers and conductors from the extra board, the order in which their trains departed, and the consist of each train.

1. Conductor Norton's train, the refrigerator extra, left some time after Conductor Edwards departed.
2. Engineer Foley left the yard with his train some time after Conductor Harris did, but before Conductor Buckley departed.
3. Conductor Buckley was a bit put out at the delays to his train, which resulted in his having to wait for Engineer Mullens to clear the yard lead; Buckley's train was the next one to depart after Mullens, and therefore it did manage to leave ahead of the livestock extra.
4. Jimmie Bradshaw is not the engineer on the oil tank extra, and his conductor is not Frank Jacobs.
5. The engineer on the merchandise extra had to wait for Georgie Sinclair to pull his train out of the yard; the merchandise extra was the next train to depart after Sinclair's train.

		Engineer					Departure Time					Consist				
		Jimmie Bradshaw	Andy Cameron	Ed Foley	Bart Mullens	George Sinclair	7:11 am	8:21 am	9:31 am	10:41 am	11:51 am	livestock	pulpwood flats	merchandise	oil tanks	refrigerator
Conductor	Ben Buckley															
	John Edwards															
	Steve Harris															
	Frank Jacobs															
	Oliver Norton															
Consist	livestock															
	pulpwood flats															
	merchandise															
	oil tanks															
	refrigerator															
Departure Time	7:11 am															
	8:21 am															
	9:31 am															
	10:41 am															
	11:51 am															

Conductor	Engineer	Departure	Consist