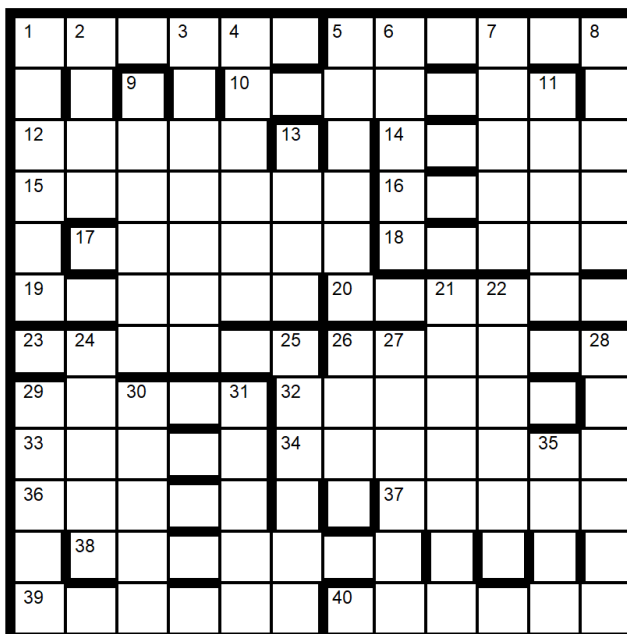


Spectrum

by Gateman

Redshift and *blueshift* are phenomena commonly observed in the frequency spectra of heavenly bodies. They can also be observed in over half of the clues of this puzzle.

Solvers must circle each letter that appears in both the answer to a redshifted clue and the answer to a blueshifted clue. These reveal something that can cause both redshift and blueshift.



Across

- 1 A good deal of locks left in toolbox were unbending (6)
- 5 Perhaps Darwinian beak is a ruse (6)
- 10 Plum gives off liberal vibe (7)
- 12 A bird passing through telephone wires becomes tangled (5)
- 14 What a barber might do (besides trimming some hair) (5)
- 15 Prawn evolved issue, lacking type of blood sugar, maybe (7, 2 words)
- 16 Though counterintuitive, rage really is feeling desire (5)
- 17 "Sort rackets" bid cleaner (6)
- 18 Little peg given to Pa's neighbor (5)
- 19 Watering hole that's beginning to cover opening of grotto (6)
- 20 Fire head of catering that left sandwiches unfinished (6)
- 23 He mocks stranger after Jack loses interest (6)
- 26 High point of obit: "Brats go ape inheriting only a fraction of estate" (6)
- 29 Brad's short pigs
- 32 Lack regret after lead characters are cast for Broadway (6)
- 33 Key difficulty charging some batteries (5)
- 34 Knave evacuated cargo maneuvering freight to open port perhaps (7)
- 36 Model Norma? I, for one, would be employed by her (5)
- 37 Register being ill by bear (5)
- 38 Interred dog bones extracted from rotten log in mire (7)
- 39 Issue with twilled fabric going round hem of dress (6)
- 40 Corruption in caustic amino acid (6)

Down

- 1 Group stopping short before ascent of peak becomes steeper (6)
- 2 Start to wrap fire hoses around lady (4)
- 3 Inventor of rotating elbow (7)
- 4 Pastry shop offering rice cakes and light starters and rolls (6)
- 5 Muscle that across father's housing unit (6)
- 6 Worried engineer puts fencing inside of pen (5)
- 7 Phrase perhaps revolves around one's terminus (5)
- 8 Always Marty slips out of my reach (5)
- 9 Why small Brit bottles dip (6)
- 11 Are 70 getting you to ban occurrence? (5)
- 13 Warning that Anne Boleyn and Marie Antoinette, for two, have met their fate? (4)
- 21 Eats buttered horse chestnuts (7)
- 22 Disturbing this lizard nest could be nauseating (6)
- 24 Unrestricted CPU fills up additional memory (5)
- 25 People moving with celebrity care about rebels' orders (6)
- 26 Declare war on Viking raiders, fists raised (4)
- 27 Jauntily flip left and right in furs (6)
- 28 Regret me scratching toy's reflective surface (6)
- 29 Brook interrupts her drill instructor briefly (5)
- 30 Whispering aloud letter (5)
- 31 Gab about stocking golf brands (5)
- 35 Rainless stiff bramble (4)