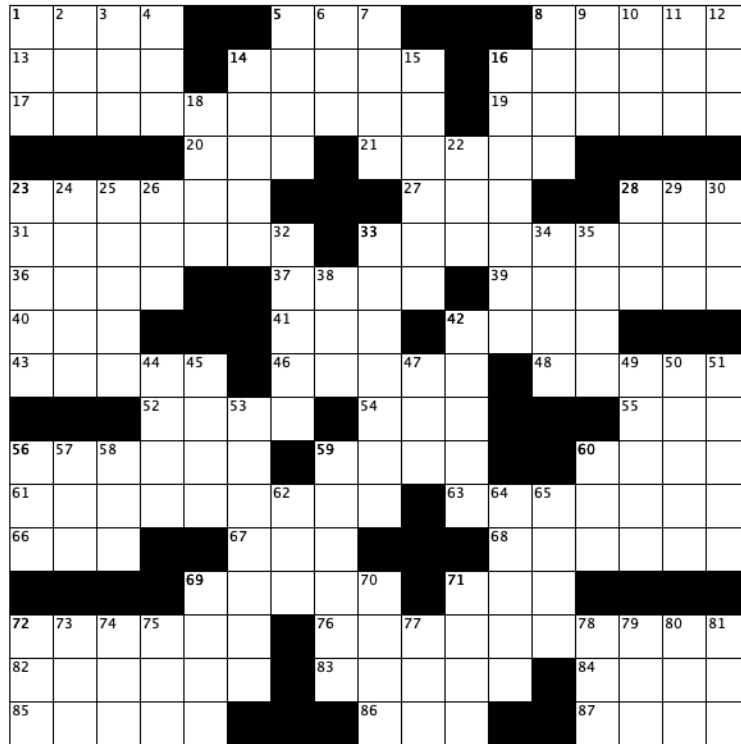


ACROSS

1. James, whose invention of the steam engine helped kick off the Industrial Revolution
5. Watson, Crick and Wilkins won the 1962 Nobel Prize in Medicine for their discovery of this double helix (abbr.)
8. Circular stunts at an airshow
13. Multinational corp.'s business region acronym, that's neither AMER (Americas) nor APAC (Asia-Pacific)
14. "When it \_\_\_\_\_, it pours!"
16. Charles, who would become the HMS Beagle's most famous passenger once he published his "On the Origin of Species"
17. Alexander Fleming's accidental discovery in 1928 that led to the 1945 Nobel Prize for medicine
19. Moscow money
20. The largest binary digit
21. Used a needle and thread
23. Indian string instruments
27. Canon Rebel camera model, or the ancient Greek goddess of dawn
28. Once around the racetrack
31. 19th century plumber and inventor Thomas \_\_\_\_\_, famous for his flush toilet
33. Arthur Wynne's apt puzzle invention first published in 1913 in the New York World
36. Shine's partner in an annoying morning person's phrase
37. Sadly
39. Cypher machine invented by Arthur Scherbius and used by Nazi Germany in WWII
40. Direction halfway between nord and sud
41. E to Samuel Morse, inventor of the telegraph
42. Greek god of love
43. Revolutionary invention by un-named Mesopotamians circa 4500-3300 BCE
46. With 82-Across, scientist whose laws of motion required him to first invent a new branch of mathematics: Calculus
48. Nikola who invented the AC induction motor and successfully promoted alternating current for electric power distribution, in opposition to Edison's DC
52. Mountain near Kamloops BC that, despite its 1748m peak, sounds like it might be the opposite of "hihi"
54. Language spoken in Vientiane
55. Videoconference need, for short
56. Short form of a given name, from the trojan priestess of Greek mythology whose true prophecies were fated to never be believed
59. One of three in a hat-trick
60. Despise
61. 15th century German inventor of the moveable-type printing press



© 2023 Mark Morin

63. Diabetes medication developed in Canada by Frederick Banting and Charles Best
66. Where birds fly, with "the"
67. The \_\_\_ Khan, who hosted Justin Trudeau and family on his private island in 2016, provoking a scandal
68. Go to, as a school
69. Feeling of anxiety
71. U.S. lawyer's org.
72. Greek god or NASA's lunar program
76. Thomas Edison invention, among many others
82. See 46-Across
83. Cancel, as a mission, or apply elbow grease
84. In 1913, Niels Bohr and Ernest Rutherford first presented the model of this, consisting of a small dense nucleus surrounded by orbiting electrons
85. Inventor Alfred Nobel (dynamite) or Anders Celsius (the temperature scale), ethnically
86. Pronom possessif pluriel
87. Cat, dog and rock (during a brief 1970s fad)
8. praise (lowdly?)
9. Sphere
10. Nocturnal bird
11. Dessert containing two mathematical constants: 3.14159... and 2.71828...
12. Former jrs
14. Shampoo instruction step
15. Contemptuous looks
16. Place to store socks, underwear and folded T-shirts
18. Inc. company
22. Court romantically
23. Fastener with a head that may be slotted, Phillips or (in Canada) Robertson (i.e. square)
24. Scientists 1st Baron of Kelvin (of the absolute temperature scale) and Robert Boyle (of Boyle's gas law), ethnically
25. Tongue test
26. Large primate
28. Inverse exponent function invented by John Napier in 1614, shortened to fit on a calculator key
29. Sleeve filler
30. Kissing on the subway, say, or a pre smart-phone device such as a PalmPilot (abbr.)
32. Guglielmo Marconi's invention that earned him the 1909 Nobel Prize in physics
33. Product list, e.g. for mail-order
34. Runny nose discharge, to a kid
35. Suffix for clock, or description for a 10-Down
38. The, in Spanish
42. Bacterium discovered by (and partly named for) Theodor Escherich in 1885. Pathogenic varieties cause food poisoning, meningitis, or urinary tract infections
44. Ultimatum word after "or"
45. Tender cut of beef or pork, or French for far
47. Small battery format, or top bond rating
49. Weighing device used since 2600 BCE Egypt
50. Language of the Roman Empire
51. Revise, as a document
53. Country with a cedar tree on its flag
56. Units of mass equal to tens of mgs
57. Bird resembling, but not related to a penguin
58. Pig pen
59. Clutches, or understands
60. Simple building
62. Easter treat, if you can find it
64. Bigwig coffee brand
65. Doe's mate
69. Skin cream ingredient
70. Psychoactive constituents of cannabis (abbr., pl.)
71. Rectum
72. Years, in French
73. Church seat
74. Montreal's olympic stadium, AKA "The Big \_\_\_\_\_", due to its 10x cost overrun and lingering debt
75. Abbr. following a 18-Down's name
77. Mine output
78. Drake's musical genre
79. Had lunch
80. Stove-top cookware
81. Letters before a British ship name