

ACROSS

- 1 Catholic guy with the hat
- 5 Set of points within a fixed distance of a given point
- 9 Physiques, slangily
- 13 Berkeley Qualls are of this form
- 14 Río contents
- 15 "How ___ Your Mother"
- 16 ___logy (Chinese studies)
- 17 Rising and falling of the voice
- 18 No longer green
- 19 Self-worth?
- 21 Nickelodeon animated series currently undergoing a live-action reboot, in brief
- 22 World's most cited author?
- 23 June, July, and August in Normandy
- 24 Stroked on the head
- 26 Two-player game whose winning strategy involves bitwise XOR
- 27 What should proverbially be done on the side of caution
- 28 "We live in a ___"
- 29 Praise for some Star Wars villains?
- 32 f such that hf = gf implies h = g
- 33 ___-Schreier theory
- 34 "O Brother, Where ___ Thou?"
- 36 Liquid cushioning the brain, for short
- 38 Actor Daniel ___ Kim
- 40 Greenest pasture?
- 44 Site of the Iran hostage crisis
- 45 Pirate noise
- 46 Where, to Caesar
- 49 Con ___ (musical direction meaning "fiery")

- 50 The combo of drums, piano, and double bass, in jazz
- 52 Non-imaginary part of $\exp(i\theta)$
- 53 "Huh, really?"
- 54 Butter-making lesson?
- 57 Rapper Wayne or Nas X
- 58 Recover some HP
- 59 Buffy the Vampire Slayer's lover
- 60 After-school activities, for short
- 61 Non-actively
- 62 What should be exchanged for itself, according to Hammurabi

DOWN

- 1 Nonnegative, to the French (0 included!)
- 2 Art form whose mathematical principles are encoded in the Huzita–Justin axioms
- 3 Comic book unit
- 4 Rich guy with the social media platform
- 5 2024 poker-themed indie roguelike whose title translates to "jester"
- 6 Quick on one's feet
- 7 Certain stylish lemon
- 8 Louise Glück or Benjamin Zephaniah, as of 2023
- 9 Sharing a function field
- 10 Common one-word "proof"
- 11 Empty
- 12 ___-state distribution
- 19 Lyrical contraction
- 20 A rhombicosidodecahedron has 60 of them
- 25 More irritating and bitter
- 27 6th sense

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- 28 Abbr. for a certain type of covering subset, a.k.a. a transversal, involved in Hall's Theorem
- 30 What one ought to do with a paper containing false results
- 31 Toast, in kitchen slang
- 34 High school exam involving a sight-singing portion
- 35 Causes to bubble once more
- 37 Created some sheaves?
- 39 Enlighten
- 41 State department member responsible for implementing US policies overseas, for short
- 42 Reasonably

- 43 Lightest element inducing an endothermic, rather than exothermic, reaction via stellar nucleosynthesis
- 44 How most people submit their taxes nowadays
- 47 Overbearing
- 48 Subset of a volume?
- 51 Fixed by conjugation
- 54 Character letter?
- 55 Abbr. important in the theory of both reductive groups and Brauer groups, though standing for something different in each case
- 56 Interconnected web of devices usually confined to a single building, in brief

Solutions and archive:
<https://math.berkeley.edu/~cjdowd/crosswords.html>