

CROSSWORD

Signal boost

By Doug Mar

ACROSS

- 1 You might say this if you can't hear clearly
 5 Swatting sounds
 10 Mystical glow
 14 A black one traps light
 15 Breaking a bad one is good
 16 Rugged rock
 17 Speck
 18 Host synonym, which sounds like maybe it should be squared
 19 *Everything Everywhere All at ___* (Best Picture winner)
 20 Like some underwear or Johnson–Nyquist noise
 22 Perplexed
 24 Musical sense
 25 Made a fast stop?
 26 Word of woe
 27 Type of noise associated with small numbers of discrete particles
 28 Lends a 24-Across?
 32 Epimenides (of paradox fame) and others
 35 Signal-to-noise ratio is often expressed using this unit
 36 Gel starter?
 37 Support staff?
 38 Start to go out, or a type of noise that has a $1/f$ frequency spectrum
 42 Used an atomizer
 45 Opening in a mask
 46 Taken by mouth
 47 Competent
 48 Length of time it takes Earth to rotate 0.25 deg.
 49 Winery container
 52 Meteor shower associated with comet Swift–Tuttle
 55 Quantitative measure of disorder
 57 Fat in a bird feeder
 58 First episode in a TV series
 60 Color of the noise in 38-Across
 61 Jai ___ (Basque sport)
 62 Something skipped across a pond
 63 Utter delight

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- 64 Softest mineral, with hardness equal to 1 on the Mohs' scale
 65 Poly ending
 66 Maria on the moon

DOWN

- 1 Color of noise that can mask unwanted sounds
 2 Hullabaloo
 3 Change
 4 Pull apart
 5 Illinois city that is home to a liberal arts college of the same name
 6 Tiny settlements
 7 As easy as ___
 8 Dappled
 9 Metal marble
 10 Relating to sound
 11 Containers often found in probability textbook problems
 12 Track event
 13 Elderly
 21 Sanskrit term meaning "great," as in ___raja or ___rishi
 23 Neither fem. nor neut.
 27 Random and unpredictable, like noise

- 29 Online auction site whose first sale was a broken laser pointer
 30 State bird of Hawaii
 31 Dogs pull it
 32 Coffeehouse
 33 Count on
 34 Great Lake whose shoreline includes three counties of the same name
 39 Japanese city famous for beef and sake
 40 Word found in the mailing address of *Physics Today*
 41 Makes additional revisions
 42 Unnamed person
 43 Device that comes in laser and inkjet
 44 Tirade
 49 Sheer fabric
 50 Sleeper's breathing problem
 51 Rug rats
 52 HS junior's exam
 53 Software contract that most people don't read (abbr.)
 54 What both roots are when the discriminant of a quadratic is positive
 56 Dungeons & Dragons and others, for short
 59 Fate