Claude Shannon and His Rubik Cube Poem



Shannon was not only the creator of information theory, he was also an avid juggler, unicyclist, designer of machines that play chess and other games, and-most surprising of all-a poet.

Rubric on Rubik Cubics (1)

Once puzzledom was laissez faire With rebus, crosswords, solitaire. Comes now the Rubik Magic Cube For Ph.D. or country rube. This fiendish dever engineer Entrapped the music of the sphere. It's sphere on sphere in all 3D ---A kinematic symphony!

Tal Ral al Boom De Ayl One thousand bucks a day That's Rubik's cubic pay. He drives a Chevrolet. (2)

For ty-three quintilion plus (3) Problems Rubik posed for us. Numbers of this awesome kind Boggle even Sagan's mind. (4) Some chaps pry their cubes apart In with calm intelligence. Then reassemble to the "start". Not cricket! A rude game's afoot And up with which we will not put!

Ta! Ra! Ra! Boom De Ay! Cu-bies in disarray? First twist them that-a-way, Then turn them this-a-way. Respect your cube and keep it clean. Lube your cube with Vaseline. Beware the dreaded cuber's thumb. The calused hand and fingers numb. (5) No borrower nor lender be. Rude folks might switch two tabs on thee, The most unkindest switch of all, Into insolubility. (6)

In-sol-u-bility. The cruelest place to be. (7) However you persist Solutions don't exist.

While most folk watch the idiot tube Cubemeisters spin the Rubik cube. Minh Tai's the champ - he's fast as sin. Minh solves his cube in half a min. (8) John Conway leads a Cambridge pack And solves his cube behind his back. (9) Singmaster write THE BOOK- first rank; Now cubes while riding to the Bank. (10)

Here now a heavyweight! Programming potentate! Softwere sophisticate! Morwen B. Thistlethwaite! (11)

Eschewing this dull 3D place Joe Buhler cubes in hyperspace. (12)

By Claude Shannon

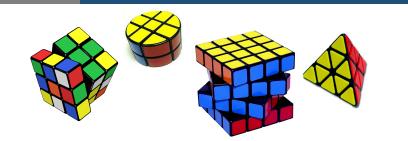
All hail Dame Kathleen Ollerenshaw, A mayor with fast cubic draw. (13) Is cubing just a crashing bore? Let Taken's robot do this chore. (14) God moves in geodesi ways And solves His cube in twenty plays. (15)

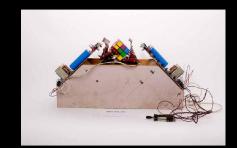
Cubemeisters one and all, Their cubes find final rest Bronzed in the Hall of Fame In lovely Budapest.

The battle's joined in steely grip: Man's mind against computer chip, With theorems wrought by Conways's eight 'Gainst programs writ by Thistlethwaite. Can multi-bilion neuron brains Beat multi-megabyte machines? The thrust of this theistic schism ---To ferret out God's algorism!

CODA:

He (hooked on Cubing) with great enthusiasm: Ta! Ra! Ra! Boom De Ay! Men's schemes gang aft agley. Let's cube our life away! She: Long pause (having been here before): ----- OY VAY!





Rubik's cube manipulator

by Shannon, Claude Elwood 10 in x 19 in x 5 1/2 in **Exhibition in MIT Museum**

Footnotes

- ⁽¹⁾ When T. S. Eliot published "The Waste Land" in 1922 with a wealth of footnotes, there was considerable commotion among the critics should a work of art stand on its own feet or refer to such weighty to mesa as *The Golden Bough*. The ambiguity, obscuring and even purines or fmodern poetry are also under attack. We intend this to be clean as a hound's tooth, crystal clear, sensible as a dictionary, and with footnotes galore.
- - $\frac{8!\ 12!}{2} \cdot \frac{3^8}{3} \cdot \frac{2^{12}}{2} = 43252\ 00327\ 44898\ 56000$

- Bill
 122
 3/2
 4/2
 4/322
 0027
 4498
 55000

 (0)
 It would take billions and billions of "billions and billions" for forty-three quintillion plus.
 (0)
 It would take billions and billions of "billions and billions" for forty-three quintillion plus.

 (0)
 While not as debilitating as weard's bottom or hooker's elbow, cuber's thumbo can be both painful and frustraine. For more on billions these recent instead of the set i
 - Bill: That's impossible. I've always carried it, or left it in my apartment, and nobody has keys to get in there.
 - Pete: Nobody?
- How Poolsy:
 Bill: That's right, nobody. Just me and my girlfriend.
 Especially in April.
 Minh Tai, World Speed Champion, in a public demonstration solved six scrambled cubes, each in
 less than 30 seconds.
- less than 30 seconds.
 O' Actually, he pecks a little. John Conway, the great Cambridge combinatorialist, in addition to his tour de force blindfold cubing has, with his colleagues, contributed much to Ruhik cube theory.
 (10° Signamast, Pavid. Notes on Ruhi? I Magic Cube, now in its sixth edition.
 (11) A ginoner in programming computers to solve the cube. His program solves the cube in 52 or fewer
- (12) Group theorist Buhler and his colleagues have developed a theory of higher dimensional cubes
- ⁻⁻⁻ uroup meonst tunite and hus colteagues have developed a theory of higher dimensional cubes. (⁻⁻⁻) Renaissance worma, sometime mayor of Manchester, recreational mathematician, espert cubist and discoverer of the cubist thumb syndrome and its relation to the fellock problem in horses. (⁻⁻⁻(⁻⁻⁻) Post the writer forestwork the need for a cubing machine and sketched the design of a pair of mechanical hands to be connected to a computer and manipulate a cube. In the summer of 1982 a crack team of one MLT, student was assembled. Late in July the hands were making their first forbling autorphis to hold and marphalate a cube, when we received a crushing newspaper clipping students and beat us to the punch. Wy friend wores one word across the slipping: "Scooped!"