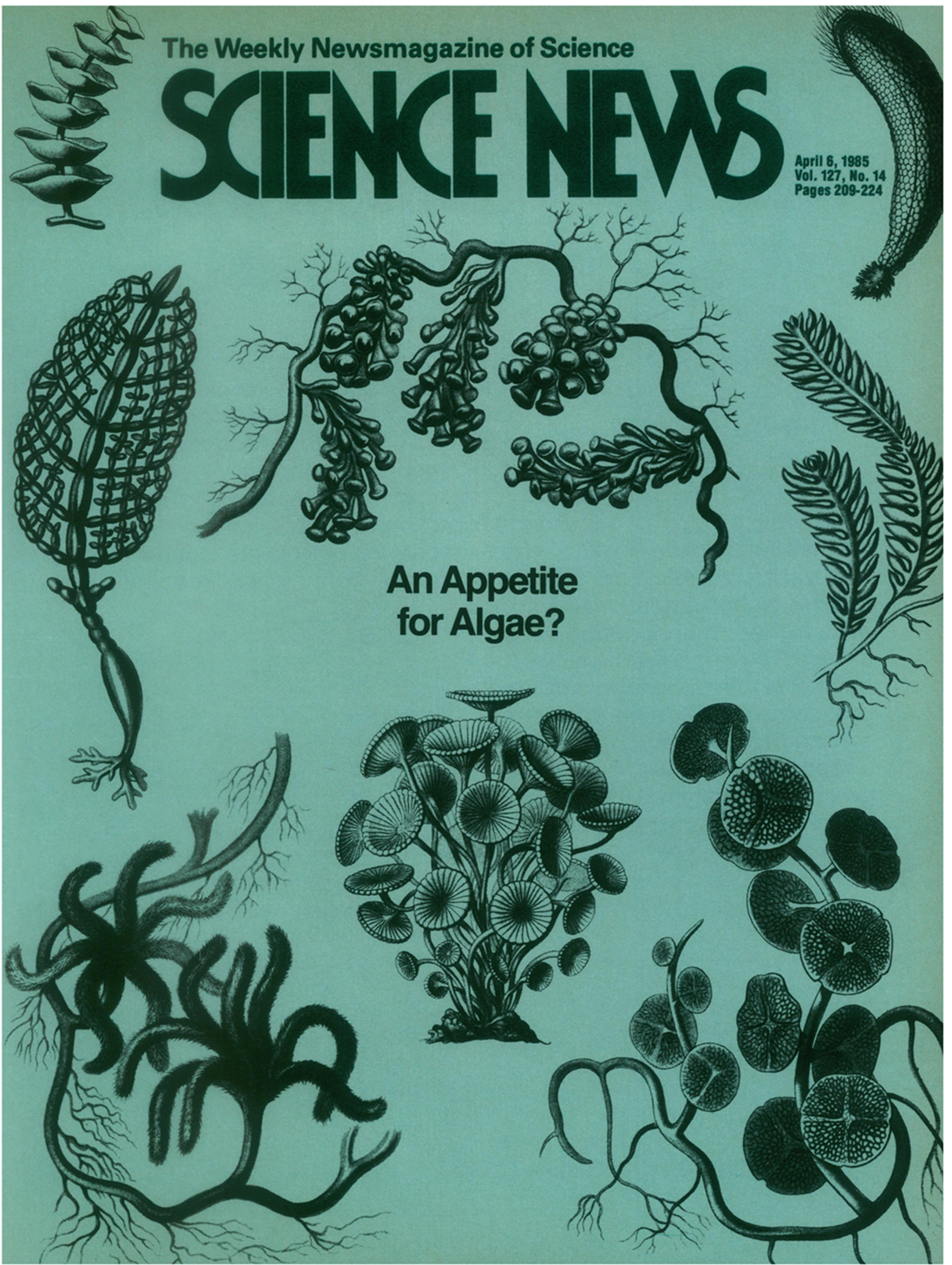


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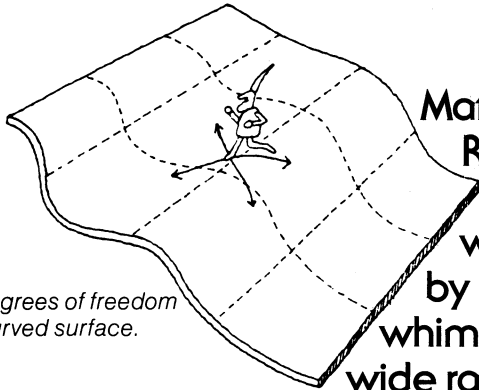
An Appetite for Algae?

The Fourth

Toward a Geometry
of Higher Reality

Dimension

By Rudy Rucker

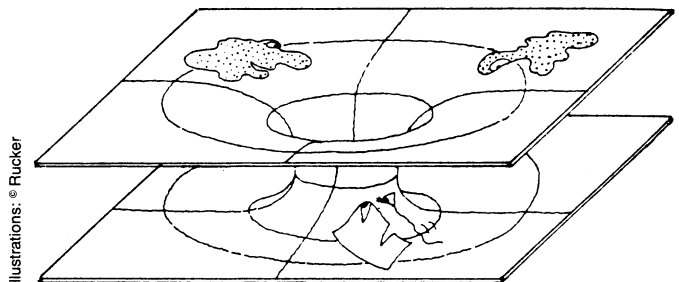


Two degrees of freedom
on a curved surface.

Mathematician and science fiction writer Rudy Rucker sends "A Square" to explore curved spaces, wormholes ("magic doors to other worlds") and other bizarre features suggested by modern theories of space and time. This whimsical approach allows Rucker to introduce a wide range of provocative ideas that stretch the

reader's imagination. Rucker writes: "No one can point to the fourth dimension, yet it is all around us. . . . There are, in fact, many higher dimensions. One of these higher dimensions is time, another higher dimension is the direction in which space is curved, and still another higher dimension may lead us to some utterly different universes existing parallel to our own. At the deepest level, our world can be regarded as a pattern in infinite-dimensional space, a space in which we and our minds move like fish in water."

Houghton-Mifflin Co., 1984, 228 pages, 9½"x7",
hardcover, \$17.95



Illustrations: © Rucker

A Square and Una at the space tunnel's mouth.

Essentially "reader-friendly," *The Fourth Dimension* mixes mathematics, Kantian idealism, sophisticated physics, commonsensical wit, accessible prose and Zen methodology with diagrams, lively illustrations and challenging puzzles. The ideas are complex — there are space, space time, curved space, fact space, mind space and the metadimensions formed by their juncture—but the exposition is simple and eminently readable.

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