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■ **SCIENCE** is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-class postage (publication No. 484460) paid at Washington, DC, and at an additional entry. Now combined with **The Scientific Monthly** © Copyright © 1986 by the American Association for the Advancement of Science. Domestic individual membership and subscription (51 issues): \$60. Domestic institutional subscription (51 issues): \$98. Foreign postage extra: Canada \$24, other (surface mail) \$27, air-surface via Amsterdam \$65. First class, airmail, school-year, and student rates on request. Single copies \$2.50 (\$3 by mail); back issues \$4 (\$4.50 by mail); Biotechnology issue, \$5.50 (\$6 by mail); classroom rates on request. **Change of address:** allow 6 weeks, giving old and new addresses and seven-digit account number. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of \$1 per copy plus \$0.10 per page is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970. The identification code for *Science* is 0036-8075/83 \$1 + .10. **Postmaster:** Send Form 3579 to *Science*, 1333 H Street, NW, Washington, DC 20005. *Science* is indexed in the *Reader's Guide to Periodical Literature* and in several specialized indexes.

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COVER Percolation network, for sites at concentration $p = 59.9$ percent, occupied at random on a square grid of 3000 sites on a side, using periodic boundary conditions. Sites are connected if they are adjacent along a vertical or horizontal direction, not along the diagonals. The white colored sites represent the infinite network; the next larger cluster colored bright yellow is a finite cluster. The size of the largest "hole" is the percolation correlation length, ξ_p . The network obeys fractal geometry for length scales $r < \xi_p$, and Euclidean geometry otherwise. See page 814. [Figure is courtesy of R. F. Voss, IBM Thomas J. Watson Research Center, Yorktown Heights, New York]

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231 (4740)

Science **231** (4740), 779-875.

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