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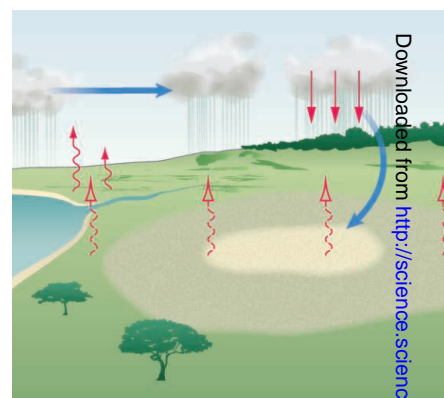
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## ON THE WEB THIS WEEK

### >> Science Podcast

Listen to stories on termite-inspired robots, cells with many, many genomes, and a roundup of stories from our daily news site.

### >> Find More Online

Check out the latest in a series of Perspectives on Challenges in Climate Science at [www.sciencemag.org/extra/climate](http://www.sciencemag.org/extra/climate).



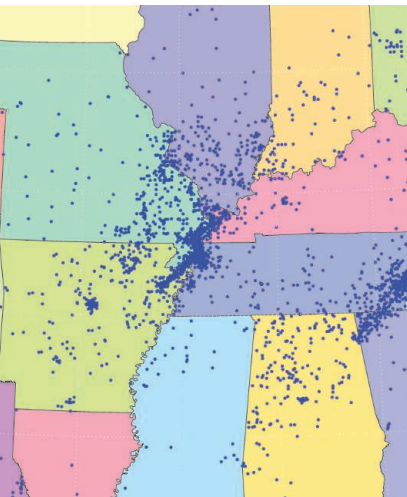
## COVER

A multirobot construction system inspired by mound-building termites. Independent climbing robots with onboard sensors automatically build user-specified structures out of specialized brick-sized building material. The robots are limited to local sensing and coordinate their activity indirectly by manipulating their shared environment and reacting to what they encounter. See pages 742 and 754, as well as supplementary movies online at [www.sciencemag.org/content/343/6172/754/suppl/DC1](http://www.sciencemag.org/content/343/6172/754/suppl/DC1).

Photo: *Eliza Grinnell, Harvard School of Engineering and Applied Sciences*

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*A. Pauli et al.*  
A conserved signal is identified that activates G protein-coupled receptors to promote zebrafish gastrulation.  
*Research Article Summary; for full text:*  
<http://dx.doi.org/10.1126/science.1248636>
- 747 **A Genetic Atlas of Human Admixture History**  
*G. Hellenthal et al.*  
Evidence of human migrations over the past 4000 years is identified in existing genomes.

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- 754 **Designing Collective Behavior in a Termite-Inspired Robot Construction Team**  
*J. Werfel et al.*  
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- 758 **High-Energy Surface X-ray Diffraction for Fast Surface Structure Determination**  
*J. Gustafson et al.*  
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SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2014 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): \$149 (\$74 allocated to subscription). Domestic institutional subscription (51 issues): \$990; Foreign postage extra: Mexico, Caribbean (surface mail) \$55; other countries (air assist delivery) \$85. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Publications Mail Agreement Number 1069624. Printed in the U.S.A.

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# Science

**343 (6172)**

*Science* **343** (6172), 707-799.

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