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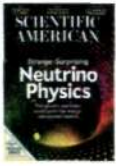
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Neutrinos have been puzzling experimental and theoretical physicists for decades. But the oddities of these fundamental particles only add to their intrigue. By studying neutrinos with sensitive detectors, such as the one that inspired the artist's conception on the cover, researchers hope to enter new domains of particle physics. Image by Vault49.

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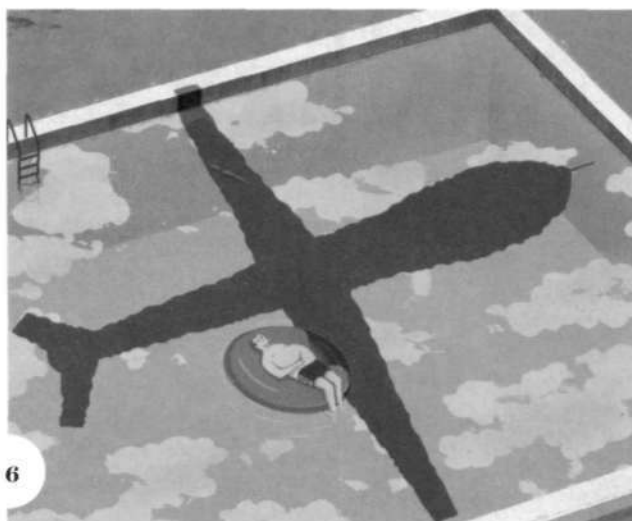
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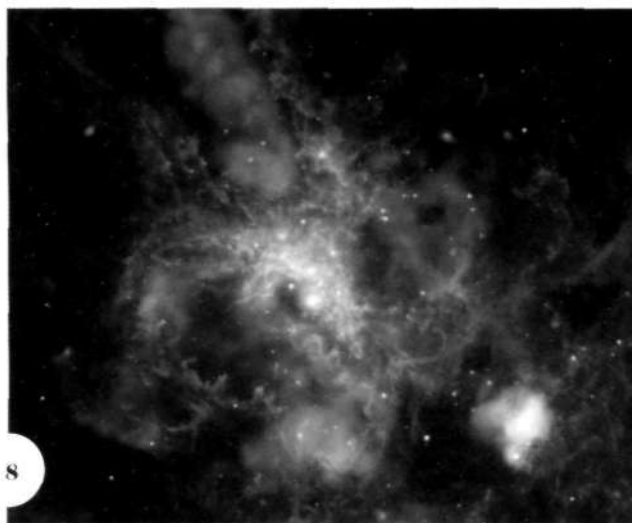
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Mars may have been conducive to life in the distant past. That much we know. But recent research has revived hopes that microbes may be hanging around there still. Go to www.ScientificAmerican.com/apr2013/mars



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