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Cover legend: Three locust antennal lobe projection neurons (two in green, one in red) stained in the same preparation by intracellular iontophoresis of Alexa fluor and imaged with confocal microscopy. Each projection neuron sends 8–12 radial dendrites that each terminate in one of about 1,000 glomeruli. All the glomeruli sampled by each projection neuron are coplanar and the 1,000 glomeruli together fill an approximately spherical volume. Each glomerulus is approximately 35 μm in diameter. Stain by Sarah Farivar. For more information, see the article by Jortner et al., this issue (pages 1659–1669).

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- 1509 **The Neural Construction of a Tinkertoy**
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